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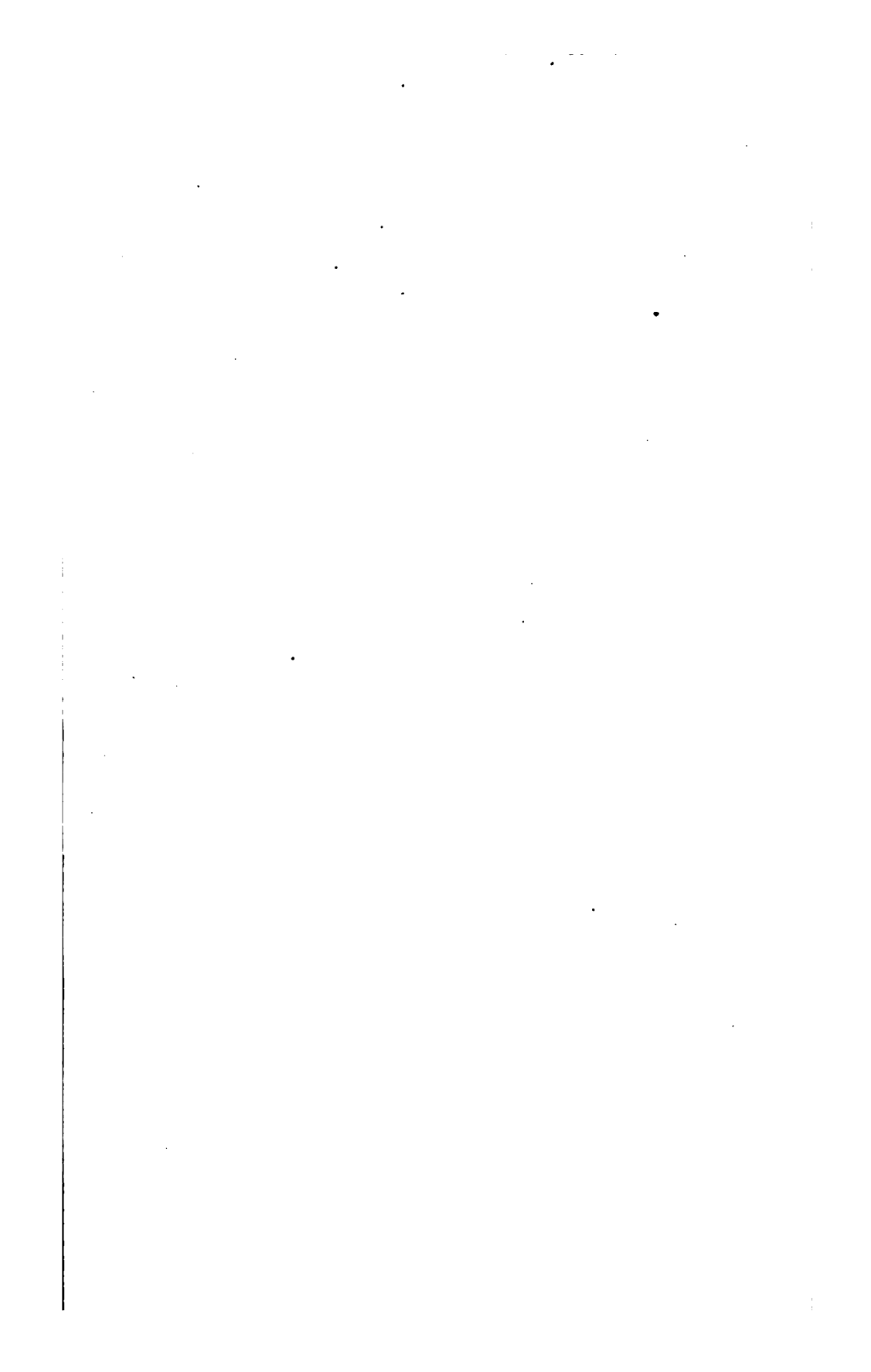
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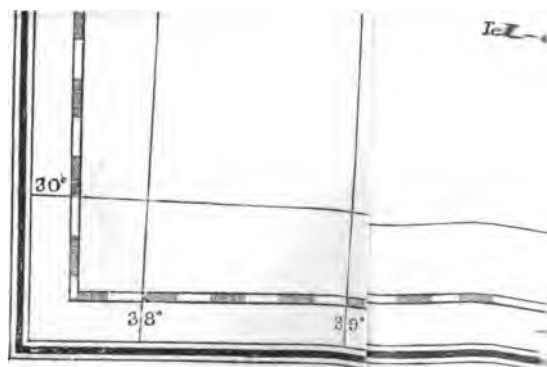






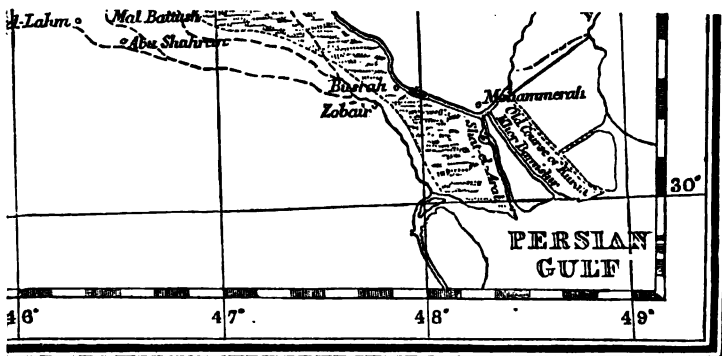


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THE  
FIVE GREAT MONARCHIES  
OF THE  
ANCIENT EASTERN WORLD;  
OR,  
THE HISTORY, GEOGRAPHY, AND ANTIQUITIES OF CHALDÆA,  
ASSYRIA, BABYLON, MEDIA, AND PERSIA.

Collected and Illustrated from Ancient and Modern Sources.

BY  
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LATE FELLOW AND TUTOR OF EXETER COLLEGE.

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# THE SECOND MONARCHY.

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## ASSYRIA.

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### CHAPTER VIII.

#### RELIGION.

“The graven image, and the molten image.” — NABUM i. 14.

THE religion of the Assyrians so nearly resembled — at least in its external aspect, in which alone we can contemplate it — the religion of the primitive Chaldæans, that it will be unnecessary, after the full treatment which that subject received in an earlier portion of this work,<sup>1</sup> to do much more than notice in the present place certain peculiarities by which it would appear that the cult of Assyria was distinguished from that of the neighbouring and closely connected country. With the exception that the first god in the Babylonian Pantheon was replaced by a distinct and thoroughly national deity in the Pantheon of Assyria, and that certain deities whose position was prominent in the one occupied a subordinate position in the other, the two religious systems may be pronounced, not similar merely, but identical. Each of them, without any real monotheism,<sup>2</sup> commences with the same pre-eminence of a single deity, which is followed by the same groupings of identically the same divinities;<sup>3</sup> and, after that, by a multitudinous polytheism, which is chiefly of a local character. Each country, so far as we can see,

<sup>1</sup> See vol. i. ch. vii. pp. 110-148.

<sup>2</sup> Though *Il* or *Ra* in Chaldæa, and *Asshur* in Assyria, were respectively *chief* gods, they were in no sense *sole* gods. Not only are the other deities

viewed as really distinct beings, but they are in many cases self-originated, and always supreme in their several spheres.

<sup>3</sup> See vol. i. p. 112.

has nearly the same worship — temples, altars, and ceremonies of the same type — the same religious emblems — the same ideas. The only difference here is, that in Assyria ampler evidence exists of what was material in the religious system, more abundant representations of the objects and modes of worship; so that it will be possible to give, by means of illustrations, a more graphic portraiture of the externals of the religion of the Assyrians than the scantiness of the remains permitted in the case of the primitive Chaldæans.

At the head of the Assyrian Pantheon stood the “great god,” Asshur. His usual titles are “the great Lord,” “the King of all the Gods,” “he who rules supreme over the Gods.”<sup>4</sup> Sometimes he is called “the Father of the Gods,” though that is a title which is more properly assigned to Belus.<sup>5</sup> His place is always first in invocations. He is regarded throughout all the Assyrian inscriptions as the special tutelary deity both of the kings and of the country. He places the monarchs upon their throne, firmly establishes them in the government, lengthens the years of their reigns, preserves their power, protects their forts and armies, makes their name celebrated, and the like. To him they look to give them victory over their enemies, to grant them all the wishes of their heart, and to allow them to be succeeded on their thrones by their sons, and their sons’ sons, to a remote posterity. Their usual phrase when speaking of him is “Asshur, my lord.” They represent themselves as passing their lives in his service. It is to spread his worship that they carry on their wars. They fight, ravage, destroy in his name. Finally, when they subdue a country, they are careful to “set up the emblems of Asshur,” and teach the people his laws and his worship.

The tutelage of Asshur over Assyria is strongly marked by the identity of his name with that of the country, which in the original is complete.<sup>6</sup> It is also indicated by the curious fact

<sup>4</sup> See Sir H. Rawlinson’s *Essay* in the author’s *Herodotus*, vol. i. p. 482, 2nd edition.

<sup>5</sup> *Ibid.* pp. 491, 492.

<sup>6</sup> The god, the country, the town Asshur, and “an Assyrian,” are all

represented by the same term, which is written both *A-shur* and *As-shur*. The “determinative” prefixed to the term (see vol. i. p. 271) tells us which meaning is intended.

that, unlike the other gods, Asshur had no notorious temple or shrine in any particular city of Assyria, a sign that his worship was spread equally throughout the whole land, and not to any extent localized. As the national deity, he had indeed given name to the original capital;<sup>7</sup> but even at Asshur (*Kileh-Sherghat*) it may be doubted whether there was any building which was specially his.<sup>8</sup> Under these circumstances it is a reasonable conjecture<sup>9</sup> that all the shrines throughout Assyria were open to his worship, to whatever minor god they might happen to be dedicated.

In the inscriptions the Assyrians are constantly described as "the servants of Asshur," and their enemies as "the enemies of Asshur." The Assyrian religion is "the worship of Asshur." No similar phrases are used with respect to any of the other gods of the Pantheon.

We can scarcely doubt that originally the god Asshur was the great progenitor of the race, Asshur, the son of Shem,<sup>10</sup> deified. It was not long, however, before this notion was lost, and Asshur came to be viewed simply as a celestial being—the first and highest of all the divine agents who ruled over heaven and earth. It is indicative of the (comparatively speaking) elevated character of Assyrian polytheism that this exalted and awful deity continued from first to last the main object of worship, and was not superseded in the thoughts of men by the lower and more intelligible divinities, such as Shamas and Sin, the Sun and Moon, Nergal the God of War, Nin the God of Hunting, or Vul the wielder of the thunderbolt.<sup>1</sup>

The favourite emblem under which the Assyrians appear to have represented Asshur in their works of art was the winged circle or globe, from which a figure in a horned cap is frequently seen to issue, sometimes simply holding a bow (Fig. I.), some-

<sup>7</sup> See vol. i. p. 203.

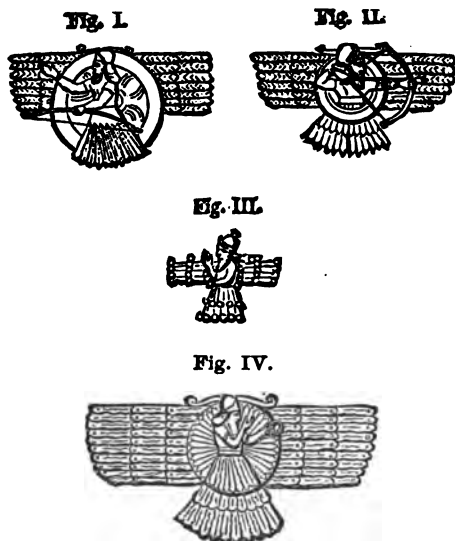
<sup>8</sup> Sir H. Rawlinson, in the author's *Herodotus* (vol. i. p. 483), inclines to allow that the great fane at Kileh-Sherghat was a temple of Asshur; but the deity whose name appears upon the bricks is entitled *Ashit*.

<sup>9</sup> Sir H. Rawlinson, l. s. c.

<sup>10</sup> Gen. x. 22.

<sup>1</sup> In the worship of Egypt we may trace such a gradual descent and deterioration, from Amun, the *hidden* god, to Phtha, the demiurgus, thence to Ra, the Sun-God, from him to Isis and Osiris, deities of the third order, and finally to Apis and Serapis, mere *dæmons*.

times shooting his arrows against the Assyrians' enemies (Fig. II.). This emblem has been variously explained;<sup>2</sup> but the most probable conjecture would seem to be that the circle typifies eternity, while the wings express omnipresence, and the human figure symbolises wisdom or intelligence. The emblem appears under many varieties. Sometimes the figure which issues from it has no bow, and is represented as simply extending the right hand (Fig. III.); occasionally both hands are extended,



Emblems of Asshur (after Lajard).

and the left holds a ring or chaplet (Fig. IV.). In one instance we see a very remarkable variation: for the complete human figure is substituted a mere pair of hands, which seem to come from behind the winged disk, the right open and exhibiting the palm, the left closed and holding a bow.<sup>3</sup> In a large number of cases all sign of a person is dispensed with,<sup>4</sup> the winged circle appearing alone,

<sup>2</sup> M. Lajard is of opinion that the foundation of the winged circle is a bird, which he pronounces to be a dove, and to typify the Assyrian Venus. To this he supposes were afterwards added the circle as an emblem of eternity, and the human figure, which he regards as an image of Baal or Bel. In confirmation of his



view that the symbol mainly grew out of a bird, he adduces the above form which appears upon a cylinder.

<sup>3</sup> See the woodcut on the next page. This emblem is taken from a mutilated obelisk found at Koyunjik.

<sup>4</sup> See Layard's *Monuments of Nineveh*, 1st Series, Pls. 6, 39, and 53; 2nd Series, Pls. 4 and 69; and compare above, vol. i. p. 399.

hibits three human heads instead of one — the central figure, having on either side of it a head, which seems to rest upon the feathers of the wing.<sup>5</sup>

It is the opinion of some critics, based

upon this form of the emblem, that the supreme deity of the Assyrians, whom the winged circle seems always to represent, was in reality a triune god.<sup>6</sup> Now certainly the triple human form is very remarkable, and lends a colour to this conjecture; but, as there is absolutely nothing, either in the statements of ancient writers, or in the Assyrian inscriptions, so far as they have been deciphered, to confirm the supposition, it can hardly be ac-



Curious emblem of Asshur. (From the signet cylinder of Sennacherib.)



Emblems of the principal gods. (From an obelisk in the British Museum.)

cepted as the true explanation of the phenomenon. The doctrine of the Trinity, scarcely apprehended with any distinctness even by the ancient Jews, does not appear to have been one of those which primeval revelation made known throughout the heathen world. It is a fanciful mysticism which finds a Trinity in the Eicton, Cneph, and Phtha of the Egyptians, the Oromasdes, Mithras, and Arimanius of the Persians, and the Monas, Logos, and Psyche of Pythagoras and Plato.<sup>7</sup> There are abundant Triads in ancient mythology, but no real Trinity. The case of Asshur is, however, one of simple unity. He is not even regularly included in any Triad. It is possible, however, that the triple figure shows him to us in temporary combination with two other gods, who may be exceptionally represented in this way

<sup>5</sup> See the cylinder of Sennacherib (supra, vol. i. p. 383); and compare a cylinder engraved in M. Lajard's *Culte de Mithra*, Pl. xxxii. No. 3.

<sup>6</sup> Layard, *Nineveh and Babylon*, p. 160; Lajard, *Culte de Mithra*, Explication des planches, p. 2.

<sup>7</sup> So Cudworth (*Intellectual System of the Universe*, ch. iv. § 16, et seq.) and others. Mosheim, in his Latin translation of Cudworth's great work, ably combats his views on this subject.



rather than by their usual emblems. Or the three heads may be merely an exaggeration of that principle of repetition which gives rise so often to a double representation of a king or a god,<sup>8</sup> and which is seen at Bavian in the threefold repetition of another sacred emblem, the horned cap.

It is observable that in the sculptures the winged circle is seldom found except in immediate connection with the monarch.<sup>9</sup> The great King wears it embroidered upon his robes,<sup>10</sup> carries it engraved upon his cylinder,<sup>11</sup> represents it above his head in the rock-tablets on which he carves his image,<sup>12</sup> stands or kneels in adoration before it,<sup>13</sup> fights under its shadow,<sup>14</sup> under its protection returns victorious,<sup>15</sup> places it conspicuously in the scenes where he himself is represented on his obelisks.<sup>16</sup> And in these various representations he makes the emblem in a great measure conform to the circumstances in which he himself is engaged at the time. Where he is fighting, Asshur too has his arrow on the string, and points it against the king's adversaries. Where he is returning from victory, with the disused bow in the left hand and the right hand outstretched and elevated, Asshur takes the same attitude. In peaceful scenes the bow disappears altogether. If the king worships, the god holds out his hand to aid; if he is engaged in secular arts, the divine presence is thought to be sufficiently marked by the circle and the wings without the human figure.

An emblem found in such frequent connection with the symbol of Asshur as to warrant the belief that it was attached in a special way to his worship, is the sacred or symbolical tree.

<sup>8</sup> Layard, *Monuments*, Pls. 6, 25, 39, &c.

<sup>9</sup> The occurrence of the emblem of Asshur without the king in the ivory representing women gathering grapes (*supra*, vol. i. p. 573) is remarkable. Probably the ivory formed part of the ornamentation of a royal throne or cabinet. There are cylinders, however, apparently not royal, on which the emblem occurs. (Cullimore, Nos. 145, 154, 155, 158, 160, 162; Layard, Pls. xlii. 2; xvi. 2; xvii. 5, 8, &c.)

<sup>10</sup> Layard, *Monuments*, 1st Series, Pl. 6; *supra*, vol. i. p. 399.

<sup>11</sup> Layard, *Nineveh and Babylon*, p. 160; *supra*, vol. i. p. 383.

<sup>12</sup> As at the Nahr-el-Kelb (Lajard, *Culte de Mithra*, Pl. i. No. 39); at Bavian (Layard, *Nineveh and Babylon*, p. 211), &c.

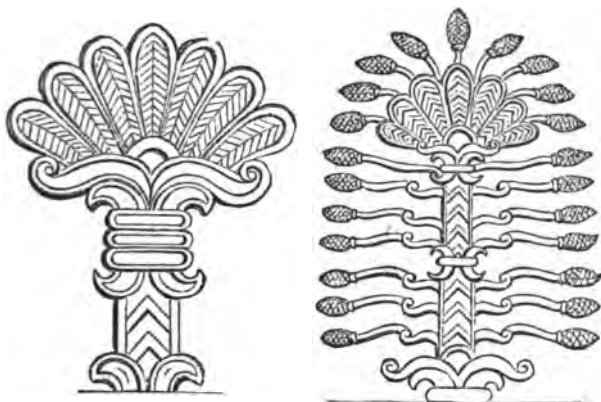
<sup>13</sup> Layard, *Monuments*, 1st Series, Pls. 6, 25, and 39.

<sup>14</sup> *Ibid.* Pl. 13.

<sup>15</sup> *Ibid.* Pl. 21.

<sup>16</sup> *Ibid.* Pl. 53. Compare the representation (*supra*, p. 5) which heads another royal obelisk.

Like the winged circle, this emblem has various forms. The simplest consists of a short pillar springing from a single pair of rams' horns, and surmounted by a capital composed of two



Simplest forms of the Sacred Tree (Nimrud).

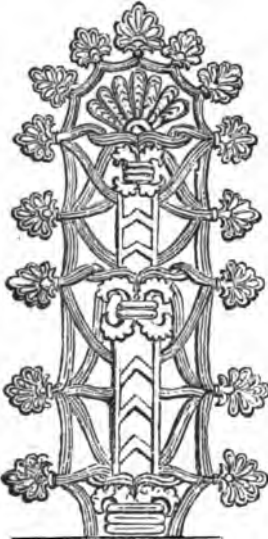
pairs of rams' horns separated by one, two, or three horizontal bands; above which there is, first, a scroll resembling that which commonly surmounts the winged circle, and then a flower, very much like the "honeysuckle ornament" of the Greeks.<sup>1</sup> More advanced specimens show the pillar elongated, with a capital in the middle in addition to the capital at the top, while the blossom above the upper capital, and generally the stem likewise, throw out a number of similar smaller blossoms, which are sometimes replaced by fir-cones or pomegranates. Where the tree is most elaborately portrayed, we see, besides the stem and the blossoms, a complicated network of branches, which after interlacing with one another form a sort of arch surrounding the tree itself as with a frame. (See next page.)

It is a subject of curious speculation, whether this sacred tree

<sup>1</sup> This resemblance, which Mr. Layard notes (*Nineveh and its Remains*, vol. ii. p. 294) is certainly very curious; but it does not tell us any thing of the origin or meaning of the symbol. The Greeks probably adopted the ornament as elegant, without caring to understand it.

I suspect that the so-called "flower" was in reality a representation of the head of a palm-tree, with the form of which, as portrayed on the earliest sculptures (Layard, *Monuments*, Pl. 53), it nearly agrees.

does not stand connected with the *Ashêrah* of the Phœnicians, which was certainly not a "grove," in the sense in which we



Sacred Tree — final and most elaborate type. (Nimrud.)

commonly understand that word. The *Ashêrah* which the Jews adopted from the idolatrous nations with whom they came in contact, was an artificial structure, originally of wood,<sup>2</sup> but in the later times probably of metal,<sup>3</sup> capable of being "set" in the temple at Jerusalem by one king,<sup>4</sup> and "brought out" by another.<sup>5</sup> It was a structure for which "hangings" could be made,<sup>6</sup> to cover and protect it, while at the same time it was so far like a tree that it could be properly said to be "cut down," rather than "broken" or otherwise demolished.<sup>7</sup> The name itself seems to imply something which stood straight up;<sup>8</sup> and the conjecture is reasonable that its essential element was "the straight stem of a tree,"<sup>9</sup> though whether the idea con-

connected with the emblem was of the same nature with that which underlay the phallic rites of the Greeks<sup>10</sup> is (to say the least) extremely uncertain. We have no distinct evidence that the Assyrian sacred tree was a real tangible object: it may have been, as Mr. Layard supposes,<sup>11</sup> a mere type. But it is perhaps on the whole more likely to have been an actual object;<sup>12</sup>

<sup>2</sup> Judges vi. 26. "Take the second bullock, and offer a burnt sacrifice with the wood of the grove (*Ashêrah*) which thou shalt cut down."

<sup>3</sup> According to the account in the Second Book of Kings, Josiah "burnt the grove at the brook Kidron, and stamped it small to powder, and cast the powder thereof upon the graves of the children of the people" (xxiii. 6). Unless the *Ashêrah* had been of metal there would have been no need of stamping it to powder after burning it.

<sup>4</sup> 2 Kings xxi. 7.

<sup>5</sup> Ibid. xxiii. 6. <sup>6</sup> Ibid. verse 7.

<sup>7</sup> Judges vi. 25, 28; 2 Kings xviii. 4; xxiii. 14; 2 Chron. xiv. 3; xxxi. 1, &c.

<sup>8</sup> *Ashêrah* (אֲשֵׁרָה) is from אָשַׁר, the true root of which is שָׁר, "to be straight" or "upright."

<sup>9</sup> So Dr. Gotch in Smith's *Biblical Dictionary*, vol. i. p. 120.

<sup>10</sup> Ibid. loc. cit.

<sup>11</sup> *Nineveh and its Remains*, vol. ii. p. 447. "The sacred tree is before him, but only, it may be presumed, as a type."

<sup>12</sup> It is found with objects which are all certainly material, as on Lord Aber-

in which case we cannot but suspect that it stood in the Assyrian system in much the same position as the *Ashêrah* in the Phœnician, being closely connected with the worship of the supreme god,<sup>13</sup> and having certainly a symbolic character, though of what exact kind it may not be easy to determine.

An analogy has been suggested between this Assyrian emblem and the Scriptural "tree of life," which is thought to be variously reflected in the multiform mythology of the East.<sup>14</sup> Are not such speculations somewhat over-fanciful? There is perhaps, in the emblem itself, which combines the horns of the ram — an animal noted for procreative power — with the image of a fruit or flower-producing tree, ground for supposing that some allusion is intended to the prolific or generative energy in nature; but more than this can scarcely be said without venturing upon mere speculation. The time will perhaps ere long arrive when, by the interpretation of the mythological tablets of the Assyrians, their real notions on this and other kindred subjects may become known to us. Till then, it is best to remain content with such facts as are ascertainable, without seeking to penetrate mysteries at which we can but guess, and where, even if we guess aright, we cannot know that we do so.

The gods worshipped in Assyria in the next degree to Asshur appear to have been, in the early times, Anu and Vul; in the later, Bel, Sin, Shamas, Vul, Nin or Ninip, and Nergal. Gula, Ishtar, and Beltis were favourite goddesses. Hoa, Nebo, and Merodach, though occasional objects of worship, more especially under the later empire, were in far less repute in Assyria than in Babylonia; and the two last-named may almost be said to have been introduced into the former country from the latter during the historical period.<sup>1</sup>

deen's Black Stone, where a real sacrificial scene appears to be represented.

<sup>13</sup> The groves in Scripture are closely connected with the worship of Baal, supreme God of the Phœnicians. (See Judges iii. 7; 1 Kings xviii. 19; 2 Kings xvii. 16, &c.)

<sup>14</sup> Layard, *Nineveh and its Remains*, vol. ii. p. 472.

<sup>1</sup> Merodach and Nebo are not absolutely unknown to the earlier kings, since they are invoked upon the Black Obelisk as the eighth and the eleventh gods. But it is only with Vul-lush III. (ab. b.c. 800) that they become prominent. This king takes special credit to himself for having first prominently placed Merodach in the Pantheon of

For the special characteristics of these various gods — common objects of worship to the Assyrians and the Babylonians from a very remote epoch — the reader is referred to the first volume of this work, where their several attributes and their position in the Chaldæan Pantheon have been noted.<sup>2</sup> The general resemblance of the two religious systems is such, that almost every thing which has been stated with respect to the gods of the First Empire may be taken as applying equally to those of the Second; and the reader is requested to make this application in all cases, except where some shade of difference, more or less strongly marked, shall be pointed out. In the following pages, without repeating what has been said in the former volume, some account will be given of the worship of the principal gods in *Assyria* and of the chief temples dedicated to their service.

#### ANU.

The worship of Anu seems to have been introduced into Assyria from Babylonia during the times of Chaldæan supremacy which preceded the establishment of the independent Assyrian kingdom. Shamas-Vul, the son of Ismi-Dagon, king of Chaldæa, built a temple to Anu and Vul at Asshur, which was then the Assyrian capital, about B.C. 1820. An inscription of Tiglath-Pileser I. states that this temple lasted for 621 years, when, having fallen into decay, it was taken down by Asshur-dayan, his own great-grandfather.<sup>3</sup> Its site remained vacant for sixty years. Then Tiglath-Pileser I., in the beginning of his reign, rebuilt the temple more magnificently than before;<sup>4</sup> and from that time it seems to have remained among the principal shrines in Assyria. It was from a tradition connected with this ancient temple of Shamas-Vul, that Asshur in later times acquired the name of Telané or “the Mound of Anu” which it bears in Stephen.<sup>5</sup>

Anu's place among the “Great Gods” of Assyria is not so

Assyria. (See Sir H. Rawlinson's *Essay* in the author's *Herodotus*, vol. i. p. 516, 2nd edition.)

<sup>2</sup> Vol. i. ch. vii. pp. 110-148.

<sup>3</sup> *Inscription of Tiglath-Pileser I.*, § 45, p. 62.

<sup>4</sup> *Ibid.* pp. 64-66.

<sup>5</sup> Steph. byz. ad voc. Τελάνη. Vide supra, vol. i. p. 116, note 7.

well marked as that of many other divinities. His name does not occur as an element in the names of kings or of other important personages. He is omitted altogether from many solemn invocations.<sup>6</sup> It is doubtful whether he is one of the gods whose emblems were worn by the king and inscribed upon the rock-tablets.<sup>7</sup> But, on the other hand, where he occurs in lists, he is invariably placed directly after Asshur;<sup>8</sup> and he is often coupled with that deity in a way which is strongly indicative of his exalted character. Tiglath-Pileser I., though omitting him from his opening invocation, speaks of him in the latter part of his great Inscription, as his lord and protector in the next place to Asshur. Asshur-izir-pal uses expressions as if he were Anu's special votary, calling himself "him who honours Anu," or "him who honours Anu and Dagan."<sup>9</sup> His son, the Black Obelisk king, assigns him the second place in the invocation of thirteen gods with which he begins his record.<sup>10</sup> The kings of the Lower Dynasty do not generally hold him in much repute; Sargon, however, is an exception, perhaps because his own name closely resembled that of a god mentioned as one of Anu's sons.<sup>11</sup> Sargon not unfrequently glorifies Anu, coupling him with Bel or Bil, the second god of the first Triad. He even made Anu the tutelary god of one of the gates of his new city, Bit-Sargina (Khorsabad), joining him in this capacity with the goddess Ishtar.

Anu had but few temples in Assyria. He seems to have had none at either Nineveh or Calah, and none of any importance in all Assyria, except that at Asshur. There is, however, reason to believe that he was occasionally honoured with a shrine in a temple dedicated to another deity.<sup>12</sup>

<sup>6</sup> As from that of Tiglath-Pileser I. at the commencement of his great Inscription (p. 18).

<sup>7</sup> Esarhaddon omits him from the list of gods whose emblems he places over his image (*Assyrian Texts*, p. 12). If the horned cap is rightly ascribed to Bel (see below, p. 13), there will be no emblem for Anu, since the others may be assigned with certainty to Asshur, Sin, Shamash, Vul, and Gula.

<sup>8</sup> As in the Black Obelisk Inscription,

where he precedes Bel. Compare *Inscription of Tiglath-Pileser I.*, pp. 40, 68, &c.

<sup>9</sup> See Sir H. Rawlinson's *Essay* in the author's *Herodotus*, vol. i. p. 487, 2nd edition.

<sup>10</sup> See the *Dublin University Magazine* for October, 1853, p. 420.

<sup>11</sup> Sir H. Rawlinson reads the name of one of Anu's sons as Sargana. (See the author's *Herodotus*, vol. i. p. 488.)

<sup>12</sup> *Inscription of Tiglath-Pileser I.*, p. 40.

## BIL or BEL.

The classical writers represent Bel as especially a Babylonian god, and scarcely mention his worship by the Assyrians;<sup>13</sup> but the monuments show that the true Bel (called in the former volume Bel-Nimrod) was worshipped at least as much in the northern as in the southern country. Indeed, as early as the time of Tiglath-Pileser I., the Assyrians, as a nation, were especially entitled by their monarchs "the people of Belus;"<sup>1</sup> and the same periphrasis was in use during the period of the Lower Empire.<sup>2</sup> According to some authorities, a particular quarter of the city of Nineveh was denominated "the city of Belus;"<sup>3</sup> which would imply that it was in a peculiar way under his protection. The word Bel does not occur very frequently as an element in royal names; it was borne, however, by at least three early Assyrian kings;<sup>4</sup> and there is evidence that in later times it entered as an element into the names of leading personages, with almost as much frequency as Asshur.<sup>5</sup>

The high rank of Bel in Assyria is very strongly marked. In the invocations his place is either the third or the second. The former is his proper position, but occasionally Anu is omitted, and the name of Bel follows immediately on that of Asshur.<sup>6</sup> In one or two places he is made third, notwithstand-

<sup>13</sup> Herodotus seems to regard Belus as an exclusively Babylonian god (i. 181). So Diodorus (ii. 8), Berosus (Frs. 1 and 2), Abydenus (Frs. 8 and 9), Dionysius Periegetes (l. 1007), Claudian (*De laude Stilich.* i. 62), and others. According to many he was the founder and first king of Babylon (Q. Curt. v. 1, § 24; Eustath. ad. Dion. Per. l. s. c., &c.), which some regarded as built by his son (Steph. Byz. ad voc. Βαβυλών). Some considered that the great temple of Belus at Babylon was his tomb (Strab. xvi. p. 1049; compare Ælian. *Hist. Var.* xiii. 3). His worship by the Assyrians is, however, admitted by Pliny (*H. N.* xxxvii. 53 and 58), Nonnus (*Dionys.* xviii. 14), and a few others. The ground of the difference thus made by the classical writers is probably the con-

fusion between the first Bel and the second Bel — Bel-Merodach — the great seat of whose worship was Babylon.

<sup>1</sup> *Inscription of Tiglath-Pileser I.* pp. 20 and 62.

<sup>2</sup> See Sir H. Rawlinson's *Essay*, p. 491. "Sargon speaks of the 350 kings who from remote antiquity ruled over Assyria and pursued after" (i. e. governed) "the people of Bilu-Nipru (Bel)."

<sup>3</sup> Fox Talbot, *Assyrian Texts*, p. 6, note.<sup>5</sup>

<sup>4</sup> See below, ch. ix. p. 49.

<sup>5</sup> In the list of *Eponyms* contained in the famous Assyrian Canon I find, during 250 years, twenty-six in whose names Bel is an element, to thirty-two who have names compounded with Asshur.

<sup>6</sup> As in the invocation of Tiglath-Pileser I. (*Inscription*, &c. p. 18).

ing that Anu is omitted, Shamas, the Sun-god, being advanced over his head ;<sup>7</sup> but this is very unusual.

The worship of Bel in the earliest Assyrian times is marked by the royal names of Bel-sumili-kapi and Bel-lush, borne by two of the most ancient kings.<sup>8</sup> He had a temple at Asshur in conjunction with Il or Ra, which must have been of great antiquity, for by the time of Tiglath-Pileser I. (B.C. 1130) it had fallen to decay and required a complete restoration, which it received from that monarch.<sup>9</sup> He had another temple at Calah ; besides which he had four "arks" or "tabernacles," the emplacement of which is uncertain.<sup>10</sup> Among the latter kings, Sargon especially paid him honour. Besides coupling him with Anu in his royal titles, he dedicated to him — in conjunction with Beltis, his wife — one of the gates of his city, and in many passages he ascribes his royal authority to the favour of Bel and Merodach.<sup>11</sup> He also calls Bel, in the dedication of the eastern gate at Khorsabad, "the establisher of the foundations of his city."<sup>12</sup>

It may be suspected that the horned cap, which was no doubt a general emblem of divinity, was also in an especial way the symbol of this god. Esarhaddon states that he set up over "the image of his majesty the emblems of Asshur, the Sun, Bel, Nin, and Ishtar."<sup>13</sup> The other kings always include Bel among the chief objects of their worship. We should thus expect to find his emblem among those which the kings specially affected ; and as all the other common emblems are assigned to distinct gods with tolerable certainty, the horned cap alone remaining doubtful, the most reasonable conjecture seems to be that it was Bel's symbol.<sup>14</sup>

It has been assumed in some quarters that the Bel of the

<sup>7</sup> As by Sennacherib (*Journal of Asiatic Society*, vol. xix. p. 163) and Esarhaddon (*Assyrian Texts*, p. 16).

<sup>8</sup> See below, ch. ix. p. 49.

<sup>9</sup> *Inscription of Tiglath-Pileser I.*, pp. 56-58.

<sup>10</sup> See Sir H. Rawlinson's *Essay*, p. 492.

<sup>11</sup> Oppert, *Expédition scientifique en Mésopotamie*, vol. ii. p. 337.

<sup>12</sup> Sir H. Rawlinson, l. s. c.

<sup>13</sup> *Assyrian Texts*, p. 16.

<sup>14</sup> It is possible that the horned cap symbolised Anu, Bel, and Hoa equally ; and the three caps at Bavian (Layard, *Nineveh and Babylon*, p. 211) may represent the entire Triad.



Assyrians was identical with the Phœnician Dagon.<sup>15</sup> A word which reads *Da-gan* is found in the native lists of divinities, and in one place the explanation attached seems to show that the term was among the titles of Bel.<sup>16</sup> But this verbal resemblance between the name Dagon and one of Bel's titles is probably a mere accident, and affords no ground for assuming any connection between the two gods, who have nothing in common one with the other. The Bel of the Assyrians was certainly not their Fish-god; nor had his epithet *Da-gan* any real connection with the word *dag*, דג, "a fish." To speak of "Bel-Dagon" is thus to mislead the ordinary reader, who naturally supposes from the term that he is to identify the great god Belus, the second deity of the first Triad, with the fish forms upon the sculptures.

#### HEA or HOA.

Hea or Hoa, the third god of the first Triad, was not a prominent object of worship in Assyria. Asshur-izir-pal mentions him as having allotted to the four thousand deities of heaven and earth the senses of hearing, seeing, and understanding; and then, stating that the four thousand deities had transferred all these senses to himself, proceeds to take Hoa's titles, and, as it were, to identify himself with the god.<sup>17</sup> His son, Shalmaneser II., the Black-Obelisk king, gives Hoa his proper place in his opening invocation, mentioning him between Bel and Sin. Sargon puts one of the gates of his new city under Hoa's care, joining him with Bilat Ili — "the mistress of the gods" — who is, perhaps, the Sun-goddess, Gula. Sennacherib, after a successful expedition across a portion of the Persian Gulf, offers sacrifice to Hoa on the seashore, presenting him with a golden boat, a golden fish, and a golden coffer. But these are exceptional instances; and on the whole it is evident that in Assyria Hoa was not a favourite god. The serpent, which is his emblem, though found on the black stones recording benefactions, and

<sup>15</sup> Oppert, *Expédition scientifique*, vol. II. pp. 88, 263, 264, &c.

<sup>16</sup> Sir H. Rawlinson, *Essay*, p. 487.

<sup>17</sup> Sir H. Rawlinson, *Essay*, pp. 494, 495. Compare above, vol. I. p. 123, note 9.

frequent on the Babylonian cylinder-seals, is not adopted by the Assyrian kings among the divine symbols which they wear, or among those which they inscribe above their effigies. The word Hoa does not enter as an element into Assyrian names. The kings rarely invoke him. So far as we can tell, he had but two temples in Assyria, one at Asshur (Kileh-Sherghat) and the other at Calah (Nimrud). Perhaps the devotion of the Assyrians to Nin — the tutelary god of their kings and of their capital — who in so many respects resembled Hoa,<sup>1</sup> caused the worship of Hoa to decline and that of Nin gradually to supersede it.

## MYLITTA or BELTIS.

Beltis, the "Great Mother," the feminine counterpart of Bel, ranked in Assyria next to the Triad consisting of Anu, Bel, and Hoa. She is generally mentioned in close connection with Bel, her husband, in the Assyrian records. She appears to have been regarded in Assyria as especially "the queen of fertility," or "fecundity," and so as "the queen of the lands,"<sup>2</sup> thus resembling the Greek Demeter, who, like Beltis, was known as "the Great Mother." Sargon placed one of his gates under the protection of Beltis in conjunction with her husband, Bel; and Asshur-bani-pal, his great-grandson, repaired and rededicated to her a temple at Nineveh, which stood on the great mound of Koyunjik.<sup>3</sup> She had another temple at Asshur, and probably a third at Calah.<sup>4</sup> She seems to have been really known as Beltis in Assyria, and as Mylitta (Mulita) in Babylonia, though we should naturally have gathered the reverse from the extant classical notices.<sup>5</sup>

<sup>1</sup> See vol. i. p. 132.

<sup>2</sup> See Sir H. Rawlinson's *Essay*, p. 496.

<sup>3</sup> *Ibid.* p. 497. A vast number of inscribed slabs have been brought from this edifice. It was originally erected by Asshur-izir-pal.

<sup>4</sup> It is doubtful whether the Calah temple was dedicated to Beltis or to Ishtar, as the epithets used would apply to either goddess.

<sup>5</sup> Herodotus, in two places (i. 131 and 199), gives Mylitta as the *Assyrian* name of the goddess, while Hesychius calls Belthes (Βέλθης) the *Babylonian* Juno or Venus, and Abydenus makes Nebuchadnezzar speak of "Queen Beltis" (ἡ Βασίλεια Βήλτις, Fr. 9). Nicolas of Damascus, however, gives Molis as the *Babylonian* term (*Fr. Hist. Gr.* vol. iii. p. 361, note 16). The fact seems to be that Mulita was Hamitic-Chaldean,

## SIN or THE MOON.

Sin, the Moon-god, ranked next to Beltis in Assyrian mythology, and his place is thus either fifth or sixth in the full lists, according as Beltis is, or is not, inserted. His worship in the time of the early empire appears from the invocation of Tiglath-Pileser I., where he occurs in the third place, between Bel and Shamas.<sup>6</sup> His emblem, the crescent, was worn by Asshur-izir-



The Moon-god  
(from a cylinder).

pal,<sup>7</sup> and is found wherever divine symbols are inscribed over their effigies by the Assyrian kings. There is no sign which is more frequent on the cylinder-seals, whether Babylonian or Assyrian,<sup>8</sup> and it would thus seem that Sin was among the most popular of Assyria's deities. His name occurs sometimes, though not so frequently as some others, in the appellations

of important personages, as *e. g.* in that of Sennacherib, which is explained to mean "Sin multiplies brethren." Sargon, who thus named one of his sons, appears to have been specially attached to the worship of Sin, to whom, in conjunction with Shamas, he built a temple at Khorsabad,<sup>9</sup> and to whom he assigned the second place among the tutelary deities of his city.<sup>10</sup>

The Assyrian monarchs appear to have had a curious belief in the special antiquity of the Moon-god. When they wished to mark a very remote period, they used the expression "from the origin of the god Sin."<sup>11</sup> This is perhaps a trace of the ancient connection of Assyria with Babylonia, where the earliest capital, Ur, was under the Moon-god's protection, and the most primeval temple was dedicated to his honour.<sup>12</sup>

Bilta Semitic-Assyrian. Mulita was, however, known to the Assyrians, who derived their religion from the southern country, and Bilta was adopted by the (later) Babylonians, who were Semitized from Assyria.

<sup>6</sup> *Inscription, &c.*, p. 18.

<sup>7</sup> Layard, *Monuments*, 1st Series, Pl. 25.

<sup>8</sup> The form is always a crescent, with the varieties represented in vol. i. p. 125: sometimes, however, the god himself is

represented as issuing from the crescent, as in the above woodcut.

<sup>9</sup> Oppert, *Expédition scientifique*, vol. ii. p. 330.

<sup>10</sup> *Ibid.* p. 343.

<sup>11</sup> Sargon speaks of the Cyprians as "a nation of whom from the remotest times, from the origin of the God Sin, the kings my fathers, who ruled over Assyria and Babylonia, had never heard mention." (See Sir H. Rawlinson's *Essay*, p. 507.)

<sup>12</sup> See vol. 1. pp. 125, 126.

Only two temples are known to have been erected to Sin in Assyria. One is that already mentioned as dedicated by Sargon at Bit-Sargina (Khorsabad) to the Sun and Moon in conjunction. The other was at Calah, and in that Sin had no associate.

## SHAMAS.

Shamas, the Sun-god, though in rank inferior to Sin, seems to have been a still more favourite and more universal object of worship. From many passages we should have gathered that he was second only to Asshur in the estimation of the Assyrian monarchs, who sometimes actually place him above Bel in their lists.<sup>13</sup> His emblem, the four-rayed orb, is worn by the king upon his neck,<sup>14</sup> and seen more commonly than almost any other upon the cylinder-seals. It is even in some instances united with that of Asshur, the central circle of Asshur's emblem being marked by the fourfold rays of Shamas.<sup>15</sup>

The worship of Shamas was ancient in Assyria. Tiglath-Pileser I. not only names him in his invocation, but represents himself as ruling especially under his auspices.<sup>16</sup> Asshur-izir-pal mentions Asshur and Shamas as the tutelary deities under whose influence he carried on his various wars.<sup>17</sup> His son, the Black-Obelisk king, assigns to Shamas his proper place among the gods whose favour he invokes at the commencement of his long Inscription.<sup>18</sup> The kings of the Lower Empire were even more devoted to him than their predecessors. Sargon dedicated to him the north gate of his city, in conjunction with Vul, the god of the air, built a temple to him at Khorsabad in conjunction with Sin, and assigned him the third place among the tutelary deities of his new town.<sup>19</sup> Sennacherib and Esar-

<sup>13</sup> *As. Soc. Journal*, vol. xix. p. 163; *Assyrian Texts*, p. 16.

<sup>14</sup> Layard, *Monuments*, 1st Series, Pl. 82; 2nd Series, Pl. 4.

<sup>15</sup> See vol. i. p. 399, and compare Layard, *Monuments*, 1st Series, Pl. 6, where the representation is more accurately given.

<sup>16</sup> *Inscription*, &c., p. 20.

<sup>17</sup> See Sir H. Rawlinson's *Essay*, p. 501.

<sup>18</sup> *Dublin Univ. Mag.* for Oct. 1853, p. 420.

<sup>19</sup> Oppert, *Expédition*, &c., pp. 330, 344.

haddon mention his name next to Asshur's in passages where they enumerate the gods whom they regard as their chief protectors.

Excepting at Khorsabad, where he had a temple (as above mentioned) in conjunction with Sin, Shamas does not appear to have had any special buildings dedicated to his honour.<sup>1</sup> His images are, however, often noticed in the lists of idols, and it is probable therefore that he received worship in temples dedicated to other deities. His emblem is generally found conjoined with that of the moon, the two being placed side by side, or the one directly under the other.



Emblems of the sun and moon (from cylinders).

#### VUL or IVA.

This god, whose name is still so uncertain,<sup>2</sup> was known in Assyria from times anterior to the independence, a temple having been raised in his sole honour at Asshur,<sup>3</sup> the original Assyrian capital, by Shamas-Vul, the son of the Chaldæan king Ismi-Dagon, besides the temple (already mentioned)<sup>4</sup> which the same monarch dedicated to him in conjunction with Anu. These buildings having fallen to ruin by the time of Tiglath-Pileser I., were by him rebuilt from their base; and Vul, who was worshipped in both, appears to have been regarded by that monarch as one of his special "guardian deities."<sup>5</sup> In the Black-Obelisk invocation Vul holds the place intermediate between Sin and Shamas, and on the same monument is recorded the fact that the king who erected it held, on one occasion, a festival to Vul in conjunction with Asshur.<sup>6</sup> Sargon names Vul in the fourth place among the tutelary deities of his

<sup>1</sup> See Sir H. Rawlinson's *Essay*, p. 802.

<sup>2</sup> See vol. i. p. 112, note <sup>5</sup>.

<sup>3</sup> *Inscription of Tiglath-Pileser I.*, p. 66.

<sup>4</sup> *Supra*, p. 10.

<sup>5</sup> See *Inscription, &c.*, p. 30, where Vul is called "my guardian God." Ninip, however, occurs more frequently in that character. (See below, p. 21.)

<sup>6</sup> *Dublin Univ. Magazine* for Oct. 1853, p. 426. Vul is often joined with Asshur in invocations, more especially where a curse is invoked on those who injure the royal inscriptions. (See the *Tiglath-Pileser Inscription*, p. 72, and compare the still earlier inscription on Tiglath-Nin's signet-seal, *infra*, ch. ix.)

city,<sup>7</sup> and dedicates to him the north gate in conjunction with the Sun-god, Shamas.<sup>8</sup> Sennacherib speaks of hurling thunder on his enemies like Vul,<sup>9</sup> and other kings use similar expressions.<sup>10</sup> The term Vul was frequently employed as an element in royal and other names;<sup>11</sup> and the emblem which seems to have symbolised him—the double or triple bolt<sup>12</sup>—appears constantly among those worn by the kings,<sup>13</sup> and engraved above their heads on the rock-tablets.<sup>14</sup>

Vul had a temple at Calah<sup>15</sup> besides the two temples in which he received worship at Asshur. It was dedicated to him in conjunction with the goddess Shala, who appears to have been regarded as his wife.

It is not quite certain whether we can recognise any representations of Vul in the Assyrian remains. Perhaps the figure with four wings and a horned cap,<sup>16</sup> who wields a thunderbolt in either hand, and attacks therewith the monster, half lion, half eagle, which is known to us from the Nimrod sculptures, may be intended for this deity. If so, it will be reasonable also to recognise him in the figure with uplifted foot, sometimes perched upon an ox, and bearing, like the other, one or two thunderbolts, which occasionally occurs upon the cylinders.<sup>17</sup> It is uncertain, however, whether the former of these figures is not one of the many different representations of Nin, the Assyrian Hercules; and, should that prove the true explanation in the one case, no very great confidence could be felt in the suggested identification in the other.



The god of the atmosphere (from a cylinder).

<sup>7</sup> Oppert, *Expédition scientifique*, vol. ii. p. 344.

<sup>8</sup> Sir H. Rawlinson's *Essay*, p. 499.

<sup>9</sup> *Journal of As. Society*, vol. xix. p. 163.

<sup>10</sup> They "rush on the enemy like the whirlwind of Vul," or "sweep a country as with the whirlwind of Vul." Vul is "he who causes the tempest to rage over hostile lands," in the Tiglath-Pileser inscription.

<sup>11</sup> As in Vul-lush, Shamas-Vul, &c.

In the Assyrian Canon ten of the Eponyms have names in which Vul is an element.

<sup>12</sup> *Supra*, vol. i. p. 130.

<sup>13</sup> *Supra*, vol. i. p. 489.

<sup>14</sup> Asat Bavian (Layard, *Nineveh and Babylon*, p. 211).

<sup>15</sup> Sir H. Rawlinson, *Essay*, p. 500.

<sup>16</sup> Layard, *Monuments*, 2nd Series, Pl. 5.

<sup>17</sup> Layard, Pl. xxvii. No. 5; Cullimore, Pl. 21, No. 107.

## GULA.

Gula, the Sun-goddess, does not occupy a very high position among the deities of Assyria. Her emblem, indeed, the eight-rayed disk, is borne, together with her husband's, by the Assyrian monarchs,<sup>18</sup> and is inscribed on the rock-tablets, on the stones recording benefactions, and on the cylinder-seals, with remarkable frequency. But her name occurs rarely in the inscriptions, and, where it is found, appears low down in the lists. In the Black-Obelisk invocation, out of thirteen deities named, she is the twelfth.<sup>19</sup> Elsewhere she scarcely appears, unless in inscriptions of a purely religious character. Perhaps she was commonly regarded as so much one with her husband that a separate and distinct mention of her seemed not to be requisite.

Gula is known to have had at least two temples in Assyria. One of these was at Asshur, where she was worshipped in combination with ten other deities, of whom one only, Ishtar, was of high rank.<sup>20</sup> The other was at Calah, where her husband had also a temple.<sup>21</sup> She is perhaps to be identified with *Bilat-Ili*, "the mistress of the gods," to whom Sargon dedicated one of his gates in conjunction with Hoa.<sup>22</sup>

## NINIP or NIN.

Among the gods of the second order, there is none whom the Assyrians worshipped with more devotion than Nin or Ninip. In traditions which are probably ancient, the race of their kings was derived from him,<sup>1</sup> and after him was called the mighty city which ultimately became their capital. As early as the thirteenth century B.C. the name of Nin was used as an element in royal appellations;<sup>2</sup> and the first king who has left

<sup>18</sup> Layard, *Monuments*, 1st Series, Pl. 82; 2nd Series, Pl. 4.

<sup>19</sup> *Dublin Univ. Mag.* p. 420.

<sup>20</sup> Sir H. Rawlinson's *Essay*, p. 504, note 6.

<sup>21</sup> *Ibid.* l. s. c.

<sup>22</sup> *Ibid.* p. 494; and on the presumed identification of Gula with *Bilat-Ili*, see pp. 503, 504.

<sup>1</sup> The Ninus of the Greeks can be no other than the Nin or Ninip of the Inscriptions. Herodotus probably (i. 7), Ctesias certainly (Diod. Sic. ii. 1-21), derived the kings of the Upper Dynasty from Ninus.

<sup>2</sup> See below, ch. ix. p. 58.

us an historical inscription regarded himself as being in an especial way under Nin's guardianship. Tiglath-Pileser I. is "the illustrious prince whom Asshur and Nin have exalted to the utmost wishes of his heart."<sup>3</sup> He speaks of Nin sometimes singly, sometimes in conjunction with Asshur, as his "guardian deity."<sup>4</sup> Nin and Nergal make his weapons sharp for him, and under Nin's auspices the fiercest beasts of the field fall beneath them.<sup>5</sup> Asshur-izir-pal built him a magnificent temple at Nimrud (Calah).<sup>6</sup> Shamas-Vul, the grandson of this king, dedicated to him the obelisk which he set up at that place in commemoration of his victories.<sup>7</sup> Sargon placed his newly-built city in part under his protection,<sup>8</sup> and specially invoked him to guard his magnificent palace.<sup>9</sup> The ornamentation of that edifice indicated in a very striking way the reverence of the builder for this god, whose symbol, the winged bull,<sup>10</sup> guarded all its main gateways, and who seems to have been actually represented by the figure strangling a lion, so conspicuous on the *Hareem* portal facing the great court.<sup>11</sup> Nor did Sargon regard Nin as his protector only in peace. He ascribed to his influence the successful issue of his wars; and it is probably to indicate the belief which he entertained on this point that he occasionally placed Nin's emblems on the sculptures representing his expeditions.<sup>12</sup> Sennacherib, the son and successor of Sargon, appears to have had much the same feelings towards Nin as his father, since in his buildings he gave the same prominence to the winged bull and to the figure strangling the lion; placing the former at almost all his doorways, and giving the latter a conspicuous position on the grand

<sup>3</sup> *Inscription*, p. 60.

<sup>4</sup> *Ibid.* pp. 54-56.

<sup>5</sup> *Ibid.* l. s. c.

<sup>6</sup> This is the edifice described by Mr. Layard (*Nineveh and Babylon*, pp. 123-129 and 348-357).

<sup>7</sup> Sir H. Rawlinson in the author's *Herodotus*, vol. i. pp. 512, 513, 2nd edition.

<sup>8</sup> Oppert, *Expédition scientifique*, vol. ii. p. 344.

<sup>9</sup> *Ibid.* pp. 333, 334.

<sup>10</sup> *Supra*, vol. i. p. 133.

<sup>11</sup> See the woodcut, vol. i. p. 288. For representations of the many modifications which this figure underwent, see Mons. F. Lajard's work, *Culte de Mithra*, Pls. lxxiv. to cli.; and on the general subject of the Assyrian Hercules, see M. Raoul Rochette's memoir in the *Mémoires de l'Institut*, vol. xvii.

<sup>12</sup> Botta, *Monument*, Pls. 32 to 34. The emblems given are, 1, the winged bull (Pl. 33); 2, the winged bull with a human head (Pl. 32); and 3, the human-headed fish (Pls. 32 and 34).



façade of his chief palace.<sup>13</sup> Esarhaddon relates that he continued in the worship of Nin, setting up his emblem over his own royal effigy, together with those of Asshur, Shamas, Bel, and Ishtar.<sup>14</sup>

It appears at first sight as if, notwithstanding the general prominence of Nin in the Assyrian religious system, there was one respect in which he stood below a considerable number of the gods. We seldom find his name used openly as an element in the royal appellations. In the list of kings three only will be found with names into which the term Nin enters.<sup>15</sup> But there is reason to believe that, in the case of this god, it was usual to speak of him under a periphrasis;<sup>16</sup> and this periphrasis entered into names in lieu of the god's proper designation. Five kings (if this be admitted) may be regarded as named after him, which is as large a number as we find named after any god but Vul and Asshur.

The principal temples known to have been dedicated to Nin in Assyria were at Calah, the modern Nimrud. There the vast structure at the north-western angle of the great mound, including the pyramidal eminence which is the most striking feature of the ruins, was a temple dedicated to the honour of Nin by Asshur-izir-pal, the builder of the North-West Palace. We can have little doubt that this building represents the "busta Nini" of the classical writers, the place where Ninus (Nin or Nin-ip), who was regarded by the Greeks as the hero-founder of the nation, was interred and specially worshipped. Nin had also a second temple in this town, which bore the name of *Bit-kura* (or *Beth-kura*), as the other one did of *Bit-zira* (or *Beth-zira*).<sup>17</sup> It seems to have been from the fane of *Beth-zira* that Nin had the title *Pal-zira*, which forms a substitute for Nin, as already noticed,<sup>18</sup> in one of the royal names.

<sup>13</sup> Layard, *Nineveh and Babylon*, p. 137.

<sup>14</sup> *Assyrian Texts*, p. 16.

<sup>15</sup> Nin-pala-zira and the two Tiglath-Nins. (See below, ch. ix.)

<sup>16</sup> Nin was called "Pal-kura" and "Pal-zira," "the son of Kura," and

"the son of Zira." The latter title is that which the Jews have represented by the second element in *Tiglath-Pileser*.

<sup>17</sup> Sir H. Rawlinson in the author's *Herodotus*, vol. 1. pp. 512, 513, 2nd edition.

<sup>18</sup> See above, note 14.

## MERODACH.

Most of the early kings of Assyria mention Merodach in their opening invocations, and we sometimes find an allusion in their inscriptions, which seems to imply that he was viewed as a god of great power.<sup>19</sup> But he is decidedly not a favourite object of worship in Assyria until a comparatively recent period. Vul-lush III. indeed claims to have been the first to give him a prominent place in the Assyrian Pantheon;<sup>20</sup> and it may be conjectured that the Babylonian expeditions of this monarch furnished the impulse which led to a modification in this respect of the Assyrian religious system. The later kings, Sargon and his successors, maintain the worship introduced by Vul-lush. Sargon habitually regards his power as conferred upon him by the combined favour of Merodach and Asshur,<sup>21</sup> while Esarhad-don sculptures Merodach's emblem, together with that of Asshur, over the images of foreign gods brought to him by a suppliant prince.<sup>22</sup> No temple to Merodach is, however, known to have existed in Assyria, even under the later kings. His name, however, was not infrequently used as an element in the appellations of Assyrians.<sup>23</sup>

## NERGAL.

Among the minor gods, Nergal is one whom the Assyrians seem to have regarded with extraordinary reverence. He was the divine ancestor from whom the monarchs loved to boast that they derived their descent—the line being traceable, according to Sargon, through three hundred and fifty generations.<sup>1</sup> They symbolised him by the winged lion with a human

<sup>19</sup> The Black-Obelisk king says in one place that "the fear of Asshur and Merodach" fell upon his enemies. (*Dublin Univ. Mag.* for Oct. 1853, p. 426.)

<sup>20</sup> See Sir H. Rawlinson's *Essay*, p. 516, note 6.

<sup>21</sup> Oppert, *Expédition, scientifique*, vol. ii. p. 337.

<sup>22</sup> *Assyrian Texts*, p. 13.

<sup>23</sup> Merodach, though an element in so many names of Babylonian kings, is no part of the name of any Assyrian monarch. In M. Oppert's list of Eponyms, however, out of about 240 names, twelve are compounded with Merodach.

<sup>1</sup> See Sir H. Rawlinson's *Essay* in the author's *Herodotus*, vol. i. p. 519, 2nd edition.

head,<sup>2</sup> or possibly sometimes by the mere natural lion;<sup>3</sup> and it was to mark their confident dependence on his protection that they made his emblems so conspicuous in their palaces. Nin and Nergal — the gods of war and hunting, the occupations in which the Assyrian monarchs passed their lives — were tutelary divinities of the race, the life, and the homes of the kings, who associate the two equally in their inscriptions and their sculptures.

Nergal, though thus honoured by the frequent mention of his name and erection of his emblem, did not (so far as appears) often receive the tribute of a temple. Sennacherib dedicated one to him at Tarbisi (now Sherif-khan), near Khorsabad;<sup>4</sup> and he may have had another at Calah (Nimrud), of which he is said to have been one of the "resident gods."<sup>5</sup> But generally it would seem that the Assyrians were content to pay him honour in other ways<sup>6</sup> without constructing special buildings devoted exclusively to his worship.

#### ISHTAR.

Ishtar was very generally worshipped by the Assyrian monarchs, who called her "their lady," and sometimes in their invocations coupled her with the supreme god Asshur.<sup>7</sup> She had a very ancient temple at Asshur, the primeval capital, which Tiglath-Pileser I. repaired and beautified.<sup>8</sup> Asshur-izir-pal built her a second temple at Nineveh,<sup>9</sup> and she had a third at Arbela, which Asshur-bani-pal states that he restored.<sup>10</sup> Sargon

<sup>2</sup> Supra, vol. i. pp. 136-138.

<sup>3</sup> The natural lion is more extensively used as an architectural form by the Assyrians than the winged lion. It occurs not only in central Assyria, as at Nimrud (Layard's *Nin. and Bab.* p. 359), but also in the remoter provinces, as at Arban (Layard, p. 278) and Seruj (Chesney, *Euphrates Expedition*, vol. i. p. 114; supra, vol. i. p. 197).

<sup>4</sup> See Sir H. Rawlinson's *Essay*, p. 520.

<sup>5</sup> Ibid. p. 519, note <sup>5</sup>. Is not the smaller temple, with the Lion entrance, at the north-western corner of the Nim-

rud mound, a temple of Nergal, as the larger one is of Ninip?

<sup>6</sup> Nergal was not, however, often chosen to furnish an element of a name. By no Assyrian sovereign was he thus honoured. In the case of the Eponyms, only about one out of thirty has a name compounded with Nergal.

<sup>7</sup> See the Inscription of Sennacherib in the *Asiatic Society's Journal*, vol. xix. p. 170.

<sup>8</sup> *Inscription of Tiglath-Pileser I.*, pp. 40, 41.

<sup>9</sup> Sir H. Rawlinson, *Essay*, p. 522.

<sup>10</sup> Ibid. l. s. c.

placed under her protection, conjointly with Anu, the western gate of his city; and his son, Sennacherib, seems to have viewed Asshur and Ishtar as the special guardians of his progeny.<sup>11</sup> Asshur-bani-pal, the great hunting king, was a devotee of the goddess, whom he regarded as presiding over his special diversion, the chase.

What is most remarkable in the Assyrian worship of Ishtar is the local character assigned to her. The Ishtar of Nineveh is distinguished from the Ishtar of Arbela, and both from the Ishtar of Babylon, separate addresses being made to them in one and the same invocation.<sup>12</sup> It would appear that in this case there was, more decidedly than in any other, an identification of the divinity with her idols, from which resulted the multiplication of one goddess into many.

The name of Ishtar appears to have been rarely used in Assyria in royal or other appellations. It is difficult to account for this fact, which is the more remarkable, since in Phœnicia Astarte, which corresponds closely to Ishtar, is found repeatedly as an element in the royal titles.<sup>13</sup>

## NEBO.

Nebo must have been acknowledged as a god by the Assyrians from very ancient times, for his name occurs as an element in a royal appellation as early as the twelfth century B.C.<sup>14</sup> He seems, however, to have been very little worshipped till the time of Vul-lush III., who first brought him prominently forward in the Pantheon of Assyria after an expedition which he conducted into Babylonia, where Nebo had always been in high favour. Vul-lush set up two statues to Nebo at Calah,<sup>15</sup>

<sup>11</sup> Sennacherib speaks of Asshur and Ishtar as about to "call the kings his sons to their sovereignty over Assyria," and begs Asshur and Ishtar to "hear their prayers." (*Journal of Asiatic Society*, l. s. c.)

<sup>12</sup> As in that of Esarhaddon (*Assyrian Texts*, p. 10) and in that of Sennacherib (*As. Soc. Journal*, vol. xix. p. 163). Compare the inscription on the slab brought from the Negub tunnel.

<sup>13</sup> As in the names Astartus, Abdastartus, Delæastartus, and Gerastartus. (Menand. Ephes. Frs. 1 and 2.) In M. Oppert's list of Eponyms only five out of more than 240 have names in which Ishtar is an element.

<sup>14</sup> See below, ch. ix. p. 61.

<sup>15</sup> One of these is represented in the woodcut, vol. i. p. 141. The two are, as nearly as possible, facsimiles.

and probably built him the temple there which was known as Bit-Saggil, or Beth-Saggil, from whence the god derived one of his appellations.<sup>16</sup> He did not receive much honour from Sargon; but both Sennacherib and Esarhaddon held him in considerable reverence, the latter even placing him above Merodach in an important invocation.<sup>17</sup> Asshur-bani-pal also paid him considerable respect, mentioning him and his wife Warmita, as the deities under whose auspices he undertook certain literary labours.<sup>18</sup>

It is curious that Nebo, though he may thus almost be called a late importation into Assyria, became under the Later Dynasty (apparently) one of the most popular of the gods. In the latter portion of the list of Eponyms obtained from the celebrated "Canon," we find Nebo an element in the names as frequently as any other god excepting Asshur. Regarding this as a test of popularity we should say that Asshur held the first place; but that his supremacy was closely contested by Bel and Nebo, who were held in nearly equal repute, both being far in advance of any other deity.

Besides these principal gods, the Assyrians acknowledged and worshipped a vast number of minor divinities, of whom, however, some few only appear to deserve special mention. It may be noticed in the first place, as a remarkable feature of this people's mythological system, that each important god was closely associated with a goddess, who is commonly called his wife, but who yet does not take rank in the Pantheon at all in accordance with the dignity of her husband.<sup>1</sup> Some of these goddesses have been already mentioned, as Beltis, the feminine counterpart of Bel; Gula, the Sun-goddess, the wife of Shamas; and Ishtar, who is sometimes represented as the wife of Nebo.<sup>2</sup> To the same class belong Sheruha, the wife of Asshur; Anata

<sup>16</sup> Nebo was called *Pal-Bit-Saggil*, as Ninip was called *Pal-Zira* (*supra*, p. 22; compare Sir H. Rawlinson *Essay*, p. 524).

<sup>17</sup> *Assyrian Texts*, p. 10.

<sup>18</sup> Sir H. Rawlinson, *Essay*, l. s. c.

<sup>1</sup> See Sir H. Rawlinson's *Essay* in the

author's *Herodotus*, vol. i. p. 484, note <sup>2</sup>. While Beltis, the wife of Bel, and Gula, the wife of Shamas, are deities of high rank and importance, Sheruha, the wife of Asshur, and Anuta, the wife of Anu, occupy a very insignificant position.

<sup>2</sup> *Supra*, pp. 15, 20, and 24.

or Anuta, the wife of Anu; Dav-Kina, the wife of Hea or Hoa; Shala, the wife of Vul or Iva; Zir-banit, the wife of Merodach; and Laz, the wife of Nergal. Nin, the Assyrian Hercules, and Sin, the Moon-god, have also wives, whose proper names are unknown, but who are entitled respectively "the Queen of the Land" and "the great Lady."<sup>3</sup> Nebo's wife, according to most of the Inscriptions, is Warmita; but occasionally, as above remarked,<sup>4</sup> this name is replaced by that of Ishtar. A tabular view of the gods and goddesses, thus far, will probably be found of use by the reader towards obtaining a clear conception of the Assyrian Pantheon:—

TABLE of the Chief ASSYRIAN DEITIES, arranged in their proper order.

Gods.	Correspondent Goddesses.	Chief Seat of Worship (if any).
Asshur . .	Sheruha.	
Anu . . .	Anuta . . . . .	Asshur (Kileh-Sherghat).
Bel . . .	Beltis . . . . .	Asshur, Calah (Nimrud).
Hoa . . .	Dav-Kina . . . . .	Asshur, Calah.
Sin . . .	"The Great Lady" . . .	Calah, Bit-Sargina (Khorsabad).
Shamas . .	Gula . . . . .	Bit-Sargina.
Vul . . .	Shala . . . . .	Asshur, Calah.
Nin . . .	"The Queen of the Land,"	Calah, Nineveh.
Merodach .	Zir-Banit.	
Nergal . .	Laz . . . . .	Tarbisi (Sherif-Khan).
Nebo . . .	Warmita (Ishtar?) . . .	Calah.

It appears to have been the general Assyrian practice to unite together in the same worship, under the same roof, the female and the male principle.<sup>5</sup> The female deities had in fact, for the most part, an unsubstantial character; they were ordinarily the mere reflex image of the male, and consequently could not stand alone, but required the support of the stronger sex to give them something of substance and reality. This was the general rule; but at the same time it was not without certain exceptions. Ishtar appears almost always as an independent and

<sup>3</sup> Sir H. Rawlinson's *Essay*, pp. 506 and 513.<sup>4</sup> *Supra*, p. 26.<sup>5</sup> See Sir H. Rawlinson's *Essay*, § 9, note <sup>6</sup>, p. 514.

unattached divinity;<sup>6</sup> while Beltis and Gula are presented to us in colours as strong and a form as distinct as their husbands, Bel and Shamas. Again, there are minor goddesses, such as Telita, the goddess of the great marshes near Babylon,<sup>7</sup> who stand alone, unaccompanied by any male. The minor male divinities are also, it would seem, very generally without female counterparts.<sup>8</sup>

Of these minor male divinities the most noticeable are Martu, a son of Anu, who is called "the minister of the deep," and seems to correspond to the Greek Erebus;<sup>9</sup> Sargana, another son of Anu, from whom Sargon is thought by some to have derived his name;<sup>1</sup> Idak, god of the Tigris; Supulat, lord of the Euphrates;<sup>2</sup> and Il or Ra, who seems to be the Babylonian chief god transferred to Assyria, and there placed in a humble position.<sup>3</sup> Besides these, cuneiform scholars recognise in the Inscriptions some scores of divine names, of more or less doubtful etymology, some of which are thought to designate distinct gods, while others may be names of deities known familiarly to us under a different appellation.<sup>4</sup> Into this branch of the subject it is not proposed to enter in the present work, which addresses itself to the general reader.

It is probable that, besides gods, the Assyrians acknowledged the existence of a number of genii, some of whom they regarded as powers of good, others as powers of evil. The winged figure wearing the horned cap, which is so constantly represented as

<sup>6</sup> It is only in Babylonia, and even there during but one reign (that of Nebuchadnezzar), that Ishtar appears as the wife of Nebo. (See above, vol. i. p. 139.) Elsewhere she is separate and independent, attached as wife to no male deity, though not unfrequently conjoined with Asshur.

<sup>7</sup> Telita is, apparently, the goddess mentioned by Berosus as the original of the Greek *Θαλασσα*. (Fr. 1.) The inscriptions of Sargon mention a city named after her, which was situated on the lower Tigris. This is probably the *Θαλαθα* of Ptolemy (*Geograph.* v. 20), which he places near the mouth of the river.

<sup>8</sup> Martu, however, has a wife, who is called "the lady of Tigganna" (Sir H. Rawlinson's *Essay*, § 3, ii., note<sup>9</sup>), and Idak, the god of the Tigris (mentioned below), has a wife, Belat Muk (*Ibid.* § 4, p. 526).

<sup>9</sup> See vol. i. p. 115.

<sup>1</sup> See Sir H. Rawlinson's *Essay*, p. 488.

<sup>2</sup> *Ibid.* p. 526.

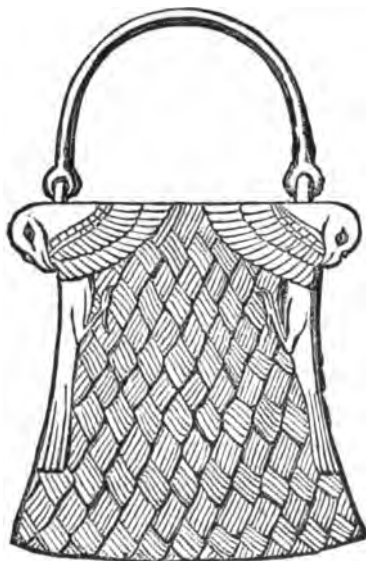
<sup>3</sup> Tiglath-Pileser I. repairs a temple of Il or Ra at Asshur about B.C. 1150. (*Inscription*, pp. 56-58.) Otherwise we scarcely hear of the worship of Ra out of Babylonia.

<sup>4</sup> See Sir H. Rawlinson's *Essay*, p. 527.

attending upon the monarch when he is employed in any sacred function,<sup>5</sup> would seem to be his tutelary genius — a benignant spirit who watches over him, and protects him from the spirits of darkness. This figure commonly bears in the right hand either a pomegranate or a pine-cone, while the left is either free or else supports a sort of plaited bag or basket. Where the pine-cone is carried, it is invariably pointed towards the monarch, as if it were the means of communication between the protector and the protected, the instrument by which grace and



Winged figure in horned cap  
(Nimrud).



The sacred basket (Khorsabad).

power passed from the genius to the mortal whom he had undertaken to guard. Why the pine-cone was chosen for this purpose it is difficult to form a conjecture. Perhaps it had originally become a sacred emblem merely as a symbol of productiveness,<sup>6</sup> after which it was made to subserve a further purpose, without much regard to its old symbolical meaning.

The sacred basket, held in the left hand, is of still more dupi-

<sup>5</sup> Layard, *Monuments*, 1st Series, Pls. 6, 25, 36; Botta, *Monument*, Pls. 27 and 28.

<sup>6</sup> *Supra*, page 9.



ous interpretation. It is an object of great elegance, always elaborately and sometimes very tastefully ornamented.<sup>7</sup> Possibly it may represent the receptacle in which the divine gifts are stored, and from which they can be taken by the genius at his discretion, to be bestowed upon the mortal under his care.

Another good genius would seem to be represented by the hawk-headed figure, which is likewise found in attendance upon



The hawk-eyed genius  
(Khorsabad).

the monarch, attentively watching his proceedings. This figure has been called that of a god, and has been supposed to represent the Nisroch of Holy Scripture;<sup>8</sup> but the only ground for such an identification is the conjectural derivation of Nisroch from a root *nir*, which in some Semitic languages signifies a "hawk" or "falcon." As *nir*, however, has not been found with any such meaning in Assyrian, and as the word "Nisroch" nowhere appears in the Inscriptions,<sup>9</sup> it must be regarded as in the highest degree doubtful whether there is any real

connection between the hawk-headed figure and the god in whose temple Sennacherib was assassinated. The various readings of the Septuagint version<sup>10</sup> make it extremely uncertain what was the name actually written in the original Hebrew text. Nisroch, which is utterly unlike any divine name hitherto found in the Assyrian records, is most probable a corruption. At any rate there are no sufficient grounds for identifying the god mentioned, whatever the true reading of his name may be,

<sup>7</sup> The basket is often ornamented with winged figures in adoration before the sacred tree, and themselves holding baskets. (See Layard, *Monuments*, First Series, Pls. 34 and 36.)

<sup>8</sup> Layard, *Nineveh and its Remains*, vol. ii. p. 459.

<sup>9</sup> M. Oppert, it is true, reads a certain monogram as "Nisruk," and recognises

in the god whom it designates — Hea or Hoa — the Nisroch of Holy Scripture. But sounder scholars regard his reading as a very wild and rash conjecture.

<sup>10</sup> In Is. xxxvii. 38, the MSS. give either Ἀσαράχ or Νασαράχ. In 2 Kings xix. 37, the greater part of the MSS. have Μεσράχ.

with the hawk-headed figure, which has the appearance of an attendant genius rather than that of a god, and which was certainly not included among the main deities of Assyria.<sup>11</sup>

Representations of evil genii are comparatively infrequent; but we can scarcely be mistaken in regarding as either an evil



Evil genii contending (Koyunjik).

genius, or a representation of the evil principle, the monster — half lion, half eagle — which in the Nimrud sculptures<sup>12</sup> retreats from the attacks of a god, probably Vul,<sup>13</sup> who assails him with thunderbolts. Again, in the case of certain grotesque statuettes

<sup>11</sup> The deities proper are not represented as in attendance on the monarch. This is an office too low for them. Occasionally, as in the case of Asshur, they from heaven guard and assist the king. But even this is exceptional.

Ordinarily they stand, or sit, in solemn state to receive offerings and worship.

<sup>12</sup> A representation on a large scale is given by Mr. Layard, *Monuments*, 2nd Series, Pl. 5.

<sup>13</sup> See above, page 19.

found at Khorsabad, one of which is engraved in the first volume of this work,<sup>14</sup> where a human figure has the head of a lion with the ears of an ass, the most natural explanation seems to be that an evil genius is intended. In another instance, where we see two monsters with heads like the statuette just mentioned, placed on human bodies, the legs of which terminate in eagles' claws — both of them armed with daggers and maces, and engaged in a struggle with one another<sup>15</sup> — we seem to have a symbolical representation of the tendency of evil to turn upon itself, and reduce itself to feebleness by internal quarrel and disorder.<sup>16</sup> A considerable number of instances occur in which a human figure, with the head of a hawk or eagle, threatens a winged human-headed lion — the emblem of Nergal — with a strap or mace.<sup>17</sup> In these we may have a spirit of evil assailing a god, or possibly one god opposing another — the hawk-headed god or genius driving Nergal (*i. e.* War) beyond the Assyrian borders.

If we pass from the objects to the mode of worship in Assyria, we must notice at the outset the strongly idolatrous character of the religion. Not only were images of the gods worshipped set up, as a matter of course, in every temple dedicated to their honour, but the gods were sometimes so identified with their images as to be multiplied in popular estimation when they had several famous temples, in each of which was a famous image. Thus we hear of the Ishtar of Arbela, the Ishtar of Nineveh, and the Ishtar of Babylon, and find these goddesses invoked separately, as distinct divinities, by one and the same king in one and the same Inscription.<sup>18</sup> In other cases, without this multiplication, we observe expressions which imply a similar identification of the actual god with the mere image. Tiglath-Pileser I. boasts that he has set Anu and Vul (*i. e.* their images) up in their places.<sup>19</sup> He identifies repeatedly the images which he carries

<sup>14</sup> Supra, vol. i. p. 342.

<sup>15</sup> See the woodcut on the preceding page. This scene was represented in the great palace of Asshur-bani-pal at Koyunjik. The sculpture is in the British Museum.

<sup>16</sup> This tendency is well illustrated

by Plato in the first Book of his Republic, § 23.

<sup>17</sup> Layard, *Monuments*, 1st Series, Pls. 45, 1; 48, 3; 49, 4; compare above, vol. i. p. 346.

<sup>18</sup> *Assyrian Texts*, p. 10; *Journal of As. Society*, vol. xix. p. 163.

<sup>19</sup> *Inscription*, pp. 66 and 70.

off from foreign countries with the gods of those countries.<sup>1</sup> In a similar spirit Sennacherib asks, by the mouth of Rabshakeh, "*Where are the gods of Hamath and of Arpad? Where are the gods of Sepharvaim, Hena, and Ivah?*"<sup>2</sup> — and again, unable to rise to the conception of a purely spiritual deity, supposes that, because Hezekiah has destroyed all the images throughout Judæa,<sup>3</sup> he has left his people without any divine protection.<sup>4</sup> The carrying off of the idols from conquered countries, which we find universally practised, was not perhaps intended as a mere sign of the power of the conqueror, and of the superiority of his gods to those of his enemies: it was probably designed further to weaken those enemies by depriving them of their celestial protectors; and it may even have been viewed as strengthening the conqueror by multiplying his divine guardians. It was certainly usual to remove the images in a reverential manner;<sup>5</sup> and it was the custom to deposit them in some of the principal temples of Assyria.<sup>6</sup> We may presume that there lay at the root of this practice a real belief in the supernatural power of the images themselves, and a notion that, with the possession of the images, this power likewise changed sides and passed over from the conquered to the conquerors.

Assyrian idols were in stone, baked clay, or metal. Some images of Nebo and of Ishtar have been obtained from the ruins. Those of Nebo are standing figures, of a larger size than the human, though not greatly exceeding it. They have been much injured by time, and it is difficult to pronounce decidedly on their original workmanship; but, judging by what appears, it would seem to have been of a ruder and coarser character than that of the slabs or of the royal statues. The Nebo images are heavy, formal, inexpressive, and not over well-proportioned; but they are not wanting in a certain quiet dignity which impresses the beholder.<sup>7</sup> They are unfortunately

<sup>1</sup> *Inscription*, pp. 28, 30, 40, 50, &c.

<sup>2</sup> 2 Kings xviii. 34. Sennacherib means to say — "Where are their gods now? [i. e., their idols.] Are they not captive in Assyria?" See above, vol. i. p. 475.

<sup>3</sup> *Ibid.* verse 4.

<sup>4</sup> *Ibid.* ver. 22.

<sup>5</sup> See the various representations of

the removal of gods in Mr. Layard's works. (*Monuments*, 1st Series, Pls. 65 and 67 A; 2nd Series, Pl. 50; *Nineveh and its Remains*, vol. ii. opposite p. 451.)

<sup>6</sup> *Inscription of Tiglath-Pileser I.*, pp. 30 and 40.

<sup>7</sup> See the representation, vol. i. p. 141.

brought before us. Towards the front of the temple, where the god, recognisable by his horned cap, appears seated upon a throne, with an attendant priest, who is beardless, paying adoration to him, advances a procession consisting of the king and six priests, one of whom carries a cup, while the other five are employed about the animal. The king pours a libation over a large bowl, fixed in a stand, immediately in front of a tall fire-altar, from which flames are rising. Close behind this stands the priest with a cup, from which we may suppose that the monarch will pour a second libation. Next we observe a bearded priest directly in front of the bull, checking the advance of the animal, which is not to be offered till the libation is over. The bull is also held by a pair of priests, who walk behind him and restrain him with a rope attached to one of his fore-legs a little above the hoof. Another pair of priests, following closely on the footsteps of the first pair, completes the procession: the four seem, from the position of their heads and arms, to be engaged in a solemn chant. It is probable, from the flame upon the altar,<sup>1</sup> that there is to be some burning of the sacrifice; while it is evident, from the altar being of such a small size, that only certain parts of the animal can be consumed upon it. We may conclude therefore that the Assyrian sacrifices resembled those of the classical nations,<sup>2</sup> consisting not of whole burnt offerings, but of a selection of choice parts, regarded as specially pleasing to the gods, which were placed upon the altar and burnt, while the remainder of the victim was consumed by priest or people.

Assyrian altars were of various shapes and sizes. One type was square, and of no great height; it had its top ornamented with gradines, below which the sides were either plain or fluted.<sup>3</sup> Another, which was also of moderate height, was triangular, but with a circular top, consisting of a single flat

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<sup>6</sup> *Ishtar*.  
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 (*Monuments*, 1st Series, Pls. 65  
 A; 2nd Series, Pl. 50; *Nineveh*  
 3 *Reinart*, vol. ii. opposite p.  
 ascription of Tiglath-Pileser I., pp.  
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disfigured, like so many of the lions and bulls, by several lines of cuneiform writing inscribed round their bodies; but this artistic defect is pardoned by the antiquarian, who learns from the inscribed lines the fact that the statues represent Nebo, and the time and circumstances of their dedication.

Clay idols are very frequent. They are generally in a good material, and are of various sizes, yet never approaching to the full stature of humanity. Generally they are mere statuettes, less than a foot in height. Specimens have been selected for representation in the preceding volume, from which a general idea of their character is obtainable.<sup>8</sup> They are, like the stone idols, formal and inexpressive in style, while they are even ruder and coarser than those figures in workmanship. We must regard them as intended chiefly for private use among the mass of the population,<sup>9</sup> while we must view the stone idols as the objects of public worship in the shrines and temples.

Idols in metal have not hitherto appeared among the objects recovered from the Assyrian cities. We may conclude, however, from the passage of Nahum prefixed to this chapter,<sup>10</sup> as well as from general probability, that they were known and used by the Assyrians, who seem to have even admitted them — no less than stone statues — into their temples. The ordinary metal used was no doubt bronze; but in Assyria, as in Babylonia,<sup>11</sup> silver, and perhaps in some few instances gold, may have been employed for idols, in cases where they were intended as proofs to the world at large of the wealth and magnificence of a monarch.

The Assyrians worshipped their gods chiefly with sacrifices and offerings. Tiglath-Pileser I. relates that he offered sacrifice to Anu and Vul on completing the repairs of their temple.<sup>12</sup>

<sup>8</sup> See vol. i. pp. 140, 341, and 342.

<sup>9</sup> Clay idols were also deposited in holes below the pavement of palaces, which (it may be supposed) were thus placed under their protection. (See M. Botta's *Monument de Ninive*, vol. v. p. 41.)

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With respect to the mode of sacrifice we have only a small amount of information, derived from a very few bas-reliefs. These unite in representing the bull as the special sacrificial animal.<sup>17</sup> In one<sup>18</sup> we simply see a bull brought up to a temple by the king; but in another,<sup>19</sup> which is more elaborate, we seem to have the whole of a sacrificial scene fairly, if not exactly,



Sacrificial scene (from an obelisk found at Nimrud).

<sup>13</sup> *Assyrian Texts*, p. 28.

<sup>14</sup> Sir H. Rawlinson's *Essay*, p. 516.

<sup>15</sup> *Ibid.* p. 495. <sup>16</sup> *Assyrian Texts*, p. 18.

<sup>17</sup> That sheep and goats were also used for sacrifice we learn from the inscriptions. (*Assyrian Texts*, pp. 3, 4.) There is one representation of a ram, or wild-goat, being led to the altar (Layard, *Nineveh and its Remains*, vol. ii. p. 469.)

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stone, perfectly plain, except that it was sometimes inscribed round the edge.<sup>4</sup> A third type is that represented in the sacrificial scene on the last page but one. This is a sort of portable stand—narrow, but of considerable height, reaching nearly to a man's chin. Altars of this kind seem to have been carried about by the Assyrians in their expeditions: we see them occasionally in the entrenched camps,<sup>5</sup> and observe priests officiating at them in their dress of office.



Triangular altar (Khorsabad).

Besides their sacrifices of animals, the Assyrian kings were accustomed to deposit in the temples of their gods, as thank-offerings, many precious products from the countries which they overran in their expeditions. Stones and marbles of various kinds, rare metals, and images of foreign deities, are particularly mentioned;<sup>6</sup> but it would seem to be most probable that some portion of all the more valuable articles was thus dedicated. Silver and gold were certainly used largely in the adornment of the temples, which are sometimes said to have been made "as splendid as the sun," by reason of the profuse employment upon them of these precious metals.<sup>7</sup>



Portable altar in an Assyrian camp, with priests offering (Khorsabad).

It is difficult to determine how the ordinary worship of the

<sup>4</sup> An altar of this shape was found by M. Botta at Khorsabad. (*Monument*, Pl. 157.) Another nearly similar was discovered by Mr. Layard at Nimrud (*Monuments*, 2nd Series, Pl. 4), and is now in the British Museum.

<sup>5</sup> Botta, Pl. 146; Layard, 2nd Series, Pl. 24.

<sup>6</sup> *Inscription of Tiglath-Pileser I.*, pp. 30, 38, 66, &c.

<sup>7</sup> *Assyrian Texts*, p. 16.

treated, and whose favour they sought to propitiate. These proceedings were not merely formal. On the occasion mentioned in the book of Jonah, the repentance of the Ninevites seems to have been sincere. "God saw their works, that they turned from their evil way; and God repented of the evil that he had said that he would do unto them: and he did it not."<sup>2</sup>

The religious sentiment appears, on the whole, to have been strong and deep-seated among the Assyrians. Although religion had not the prominence in Assyria which it possessed in Egypt, or even in Greece — although the temple was subordinated to the palace,<sup>3</sup> and the most imposing of the representations of the gods<sup>4</sup> were degraded to mere architectural ornaments — yet the Assyrians appear to have been really, nay, even earnestly, religious. Their religion, it must be admitted, was of a sensuous character. They not only practised image-worship, but believed in the actual power of the idols to give protection or work mischief; nor could they rise to the conception of a purely spiritual and immaterial deity. Their ordinary worship was less one of prayer than one by means of sacrifices and offerings. They could, however, we know, in the time of trouble, utter sincere prayers; and we are bound therefore to credit them with an honest purpose in respect of the many solemn addresses and invocations which occur both in their public and their private documents. The numerous mythological tablets<sup>5</sup> testify to the large amount of attention which was paid to religious subjects by the learned; while the general character of their names, and the practice of inscribing sacred figures and emblems upon their signets, which was almost universal, seem to indicate a spirit of piety on the part of the mass of the people.

The sensuous cast of the religion naturally led to a pompous ceremonial, a fondness for processional display, and the use of magnificent vestments. These last are represented with great minuteness in the Nimrud sculptures.<sup>6</sup> The dresses of those

<sup>2</sup> Jonah iii. 10.

<sup>3</sup> See above, vol. i. p. 278.

<sup>4</sup> The winged bulls and lions, which respectively symbolise Nin and Nergal.

<sup>5</sup> Supra, vol. i. p. 400.

<sup>6</sup> See Mr. Layard's *Monuments*, 1st Series, Pls. 5, 6, 8, 9, &c.

engaged in sacred functions seem to have been elaborately embroidered, for the most part with religious figures and emblems, such as the winged circle, the pine-cone, the pomegranate, the sacred tree, the human-headed lion, and the like. Armlets, bracelets, necklaces, and earrings were worn by the officiating priests, whose heads were either encircled with a richly-ornamented fillet,<sup>7</sup> or covered with a mitre or high cap of imposing appearance.<sup>8</sup> Musicians had a place in the processions, and accompanied the religious ceremonies with playing or chanting, or, in some instances, possibly with both.

It is remarkable that the religious emblems of the Assyrians are almost always free from that character of grossness which, in the classical works of art, so often offends modern delicacy. The sculptured remains present us with no representations at all parallel to the phallic emblems of the Greeks. Still we are perhaps not entitled to conclude, from this comparative purity, that the Assyrian religion was really exempt from that worst feature of idolatrous systems—a licensed religious sensualism. According to Herodotus, the Babylonian worship of Beltis was disgraced by a practice which even he, heathen as he was, regarded as “most shameful.”<sup>9</sup> Women were required once in their lives to repair to the temple of this goddess, and there offer themselves to the embrace of the first man who desired their company. In the Apocryphal Book of Baruch we find a clear allusion to the same custom,<sup>10</sup> so that there can be little doubt of its having really obtained in Babylonia; but if so, it would seem to follow, almost as a matter of course, that the worship of the same identical goddess in the adjoining country included a similar usage. It may be to this practice that the prophet Nahum alludes, where he denounces Nineveh as a “well-favoured harlot,” the multitude of whose harlotries was notorious.<sup>11</sup>

<sup>7</sup> Botta, *Monument*, Pl. 43.

<sup>8</sup> *Supra*, vol. i. p. 570.

<sup>9</sup> Herod. i. 199. *Αἰσχρότατος τῶν νόμων.*

<sup>10</sup> Baruch vi. 43. “The women also with cords about them, sitting in the ways, burn bran for perfume; but if any of them, drawn by some that pas-

seth by, lie with him, she reproaches her fellow, that she was not thought as worthy as herself, nor her cord broken.”

<sup>11</sup> Nahum iii. 4. It is, however, more likely that the allusion is to the idolatrous practices of the Ninevites. (See above, vol. i. p. 246, note 1.)

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Sacrificial scene (from an obelisk found at Nimrud).

<sup>13</sup> *Assyrian Texts*, p. 28.

<sup>14</sup> Sir H. Rawlinson's *Essay*, p. 516.

<sup>15</sup> *Ibid.* p. 495. <sup>16</sup> *Assyrian Texts*, p. 18.

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<sup>18</sup> This is on Lord Aberdeen's Black Stone, a monument of the reign of Esarhaddon. A representation of it will be found in Mr. Fergusson's *Palaces of Nineveh Restored*, p. 296.

<sup>19</sup> This scene is represented on a mutilated obelisk belonging to the time of Asshur-izir-pal, which is now in the British Museum. The sculptures on this curious monument are still unpublished.

brought before us. Towards the front of the temple, where the god, recognisable by his horned cap, appears seated upon a throne, with an attendant priest, who is beardless, paying adoration to him, advances a procession consisting of the king and six priests, one of whom carries a cup, while the other five are employed about the animal. The king pours a libation over a large bowl, fixed in a stand, immediately in front of a tall fire-altar, from which flames are rising. Close behind this stands the priest with a cup, from which we may suppose that the monarch will pour a second libation. Next we observe a bearded priest directly in front of the bull, checking the advance of the animal, which is not to be offered till the libation is over. The bull is also held by a pair of priests, who walk behind him and restrain him with a rope attached to one of his fore-legs a little above the hoof. Another pair of priests, following closely on the footsteps of the first pair, completes the procession: the four seem, from the position of their heads and arms, to be engaged in a solemn chant. It is probable, from the flame upon the altar,<sup>1</sup> that there is to be some burning of the sacrifice; while it is evident, from the altar being of such a small size, that only certain parts of the animal can be consumed upon it. We may conclude therefore that the Assyrian sacrifices resembled those of the classical nations,<sup>2</sup> consisting not of whole burnt offerings, but of a selection of choice parts, regarded as specially pleasing to the gods, which were placed upon the altar and burnt, while the remainder of the victim was consumed by priest or people.

Assyrian altars were of various shapes and sizes. One type was square, and of no great height; it had its top ornamented with gradines, below which the sides were either plain or fluted.<sup>3</sup> Another, which was also of moderate height, was triangular, but with a circular top, consisting of a single flat

<sup>1</sup> Altars of the shape here represented are always crowned with flames, which generally take a conical shape, but are here made to spread into a number of tongues. At Khorsabad the flames on such altars were painted red. (Botta, *Monument de Ninive*, Pl. 146.)

<sup>2</sup> See Smith's *Dictionary of Greek and Roman Antiquities*, sub. voc. SACRIFICIUM.

<sup>3</sup> See above, vol. i. p. 308, No. I., and p. 310, No. V.

stone, perfectly plain, except that it was sometimes inscribed round the edge.<sup>4</sup> A third type is that represented in the sacrificial scene on the last page but one. This is a sort of portable stand—narrow, but of considerable height, reaching nearly to a man's chin. Altars of this kind seem to have been carried about by the Assyrians in their expeditions: we see them occasionally in the entrenched camps,<sup>5</sup> and observe priests officiating at them in their dress of office.



Triangular altar (Khorsabad).

Besides their sacrifices of animals, the Assyrian kings were accustomed to deposit in the temples of their gods, as thank-offerings, many precious products from the countries which they overran in their expeditions. Stones and marbles of various kinds, rare metals, and images of foreign deities, are particularly mentioned;<sup>6</sup> but it would seem to be most probable that some portion of all the more valuable articles was thus dedicated. Silver and gold were certainly used largely in the adornment of the temples, which are sometimes said to have been made "as splendid as the sun," by reason of the profuse employment upon them of these precious metals.<sup>7</sup>



Portable altar in an Assyrian camp, with priests offering (Khorsabad).

It is difficult to determine how the ordinary worship of the

<sup>4</sup> An altar of this shape was found by M. Botta at Khorsabad. (*Monument*, Pl. 157.) Another nearly similar was discovered by Mr. Layard at Nimrud (*Monuments*, 2nd Series, Pl. 4), and is now in the British Museum.

<sup>5</sup> Botta, Pl. 146; Layard, 2nd Series, Pl. 24.

<sup>6</sup> *Inscription of Tiglath-Pileser I.*, pp. 30, 38, 66, &c.

<sup>7</sup> *Assyrian Texts*, p. 16.





...ence to the more  
...aside aut  
...seem to  
...a  
...minat  
...east thirty years -  
...and may be thoroughly trust-  
...ne had heard.<sup>3</sup> He had travelled in  
...one his best to obtain accurate information upon  
...atters, consulting on the subject, among others, the Chaldeans  
...of Babylon.<sup>4</sup> He had, moreover, taken special pains to inform  
...himself upon all that related to Assyria, which he designed to  
...make the subject of an elaborate work distinct from his general  
...history.<sup>5</sup>

Ctesias, like Herodotus, had had the advantage of visiting the East. It may be argued that he possessed even better opportunities than the earlier writer for becoming acquainted with the views which the Orientals entertained of their own past. Herodotus probably devoted but a few months, or at most a year or two, to his Oriental travels; Ctesias passed seventeen years at the Court of Persia.<sup>6</sup> Herodotus was merely an ordinary traveller, and had no peculiar facilities for acquiring information in the East; Ctesias was court-physician to Artaxerxes Mnemon,<sup>7</sup> and was thus likely to gain access to any archives which the Persian kings might have in their keeping.<sup>8</sup>

<sup>1</sup> The Assyrian rule terminated B.C. 625 (or, according to some, B.C. 606). Herodotus seems to have died about B.C. 425. (See the author's *Herodotus*, Introduction, ch. i. p. 27, 2nd edition.)

<sup>2</sup> Ctesias returned from Persia to Greece in the year B.C. 398. (See Mure's *Literature of Greece*, vol. v. p. 483.) He may have published his *Persica* about B.C. 395. Xenophon quotes it about B.C. 380.

<sup>3</sup> See the author's *Herodotus*, Introduction, ch. iii. (vol. i. pp. 61-64, 2nd ed.) Compare Mure's *Literature of Greece*, vol. iv. p. 351.

<sup>4</sup> Herod. i. 183.

<sup>5</sup> Ibid. i. 106 and 184. Whether this intention was ever executed or no, is still a moot point among scholars. (See the author's *Herodotus*, vol. i. pp. 198, 199, note 7, 2nd edit.)

<sup>6</sup> Diod. Sic. ii. 32, § 4.

<sup>7</sup> Xen. *Anab.* i. 8, § 26.

<sup>8</sup> Ctesias appears to have stated that he drew his history from documents written upon parchment belonging to the Persian kings (ἐκ τῶν βασιλικῶν διαβερῶν, Diod. Sic. i. s. c.).

Monarchy by Ctesias, must be admitted to be a thing hard of belief, if not actually incredible. The Roman State, with all its elements of strength, had (we are told), as kingdom, commonwealth, and empire, a duration of no more than twelve centuries.<sup>3</sup> The Chaldæan Monarchy lasted, as we have seen,<sup>4</sup> about a thousand years, from the time of the Elamite conquest. The duration of the Parthian was about five centuries;<sup>5</sup> of the first Persian, less than two and a half;<sup>6</sup> of the Median, at the utmost, one and a half;<sup>7</sup> of the later Babylonian, less than one.<sup>8</sup> The only monarchy existing under conditions at all similar to Assyria, whereto an equally long—or rather a still longer—duration has been assigned with some show of reason, is Egypt.<sup>9</sup> But there, it is admitted that the continuity was interrupted by the long foreign domination of the Hyksos, and by at least one other foreign conquest—that of the Ethiopian Sabacos or Shebeks. According to Ctesias, one and the same dynasty occupied the Assyrian throne during the whole period of thirteen hundred years, Sardanapalus, the last king in his list, being the descendant and legitimate successor of Ninus.<sup>10</sup>

There can be no doubt that a monarchy lasting about six centuries and a half, and ruled by at least two or three different dynasties, is *per se* a thing far more probable than one ruled by one and the same dynasty for more than thirteen centuries. And, therefore, if the historical evidence in the two cases is at all equal—or rather, if that which supports the more improbable account does not greatly preponderate—we ought to

<sup>3</sup> See Gibbon's *Decline and Fall*, ch. xxv. (vol. iv. pp. 251, 252, Smith's edition).

<sup>4</sup> *Supra*, vol. i. p. 171.

<sup>5</sup> From B.C. 256 to A.D. 226. (See Heeren's *Manual of Ancient History*, pp. 299-304, E. T.)

<sup>6</sup> From B.C. 559 to B.C. 331, the date of the battle of Artela.

<sup>7</sup> Herod. i. 130.

<sup>8</sup> From B.C. 625 to B.C. 538. (See the Historical Chapter of the "Fourth Monarchy.")

<sup>9</sup> Moderate Egyptologists refer the

commencement of a settled monarchy in Egypt to about B.C. 2600 or 2500 (Wilkinson in the author's *Herodotus*, vol. ii. pp. 288-290; Stuart Poole in Smith's *Biblical Dictionary* ad voc. CHRONOLOGY). Mr. Palmer (*Egyptian Chronicles*, vol. ii. p. 896) brings the date down to B.C. 2224, and Mr. Nash (*Pharaoh of the Exodus*, p. 305) to B.C. 1785. The lowest of these dates would make the whole duration, from Menes to Nectanebus, fourteen and a half centuries.

<sup>10</sup> Ap. Diod. Sic. ii. 21, § 8.

give credence to the more moderate and probable of the two statements.

Now, putting aside authors who merely re-echo the statements of others, there seem to be, in the present case, two and two only distinct original authorities — Herodotus and Ctesias. Of these two, Herodotus is the earlier. He writes within two centuries of the termination of the Assyrian rule,<sup>1</sup> whereas Ctesias writes at least thirty years later.<sup>2</sup> He is of unimpeachable honesty, and may be thoroughly trusted to have reported only what he had heard.<sup>3</sup> He had travelled in the East, and had done his best to obtain accurate information upon Oriental matters, consulting on the subject, among others, the Chaldæans of Babylon.<sup>4</sup> He had, moreover, taken special pains to inform himself upon all that related to Assyria, which he designed to make the subject of an elaborate work distinct from his general history.<sup>5</sup>

Ctesias, like Herodotus, had had the advantage of visiting the East. It may be argued that he possessed even better opportunities than the earlier writer for becoming acquainted with the views which the Orientals entertained of their own past. Herodotus probably devoted but a few months, or at most a year or two, to his Oriental travels; Ctesias passed seventeen years at the Court of Persia.<sup>6</sup> Herodotus was merely an ordinary traveller, and had no peculiar facilities for acquiring information in the East; Ctesias was court-physician to Artaxerxes Mnemon,<sup>7</sup> and was thus likely to gain access to any archives which the Persian kings might have in their keeping.<sup>8</sup>

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<sup>8</sup> Ctesias appears to have stated that he drew his history from documents written upon parchment belonging to the Persian kings (*ἐκ τῶν βασιλικῶν διαβερῶν*, Diod. Sic. i. s. c.).

But these advantages seem to have been more than neutralised by the temper and spirit of the man. He commenced his work with the broad assertion that Herodotus was "a liar,"<sup>9</sup> and was therefore bound to differ from him when he treated of the same periods or nations. He does differ from him, and also from Thucydides,<sup>10</sup> whenever they handle the same transactions; but in scarcely a single instance where he differs from either writer does his narrative seem to be worthy of credit. The cuneiform monuments, while they generally confirm Herodotus, contradict Ctesias perpetually.<sup>11</sup> He is at variance with Manetho on Egyptian, with Ptolemy on Babylonian, chronology.<sup>12</sup> No independent writer confirms him on any important point. His Oriental history is quite incompatible with the narrative of Scripture.<sup>13</sup> On every ground, the judgment of Aristotle, of Plutarch, of Arrian, of Scaliger,<sup>14</sup> and of almost all the best critics of modern times,<sup>15</sup> with respect to the credibility of Ctesias, is to be maintained, and his authority is to be regarded as of the very slightest value in determining any controverted matter.

The chronology of Herodotus, which is on all accounts to be preferred, assigns the commencement of the Assyrian Empire to about B.C. 1250, or a little earlier,<sup>16</sup> and gives the monarchy a duration of nearly 650 years from that time. The Assyrians,

<sup>9</sup> Phot. *Bibliothec. Cod.* LXXII., p. 107.

<sup>10</sup> Compare Ctes. *Pers. Exc.* § 32 et seq. with Thucyd. i. 104, 109, and 110.

<sup>11</sup> For proofs see the author's *Herodotus*, Introduction, ch. iii. (vol. i. p. 63, note <sup>8</sup>).

<sup>12</sup> In the number of years which he assigns to the reigns of Cambyzes and Darius Hystaspis.

<sup>13</sup> E. g. he places the destruction of Nineveh about B.C. 875, long before the time of Jonah!

<sup>14</sup> See Arist. *Hist. An.* ii. 3, § 10; iii. sub fin.; viii. 26, § 3; *Gen. An.* ii. 2; *Pol.* v. 8; *Plut. Vit. Artaxerz.* 13; *Arrian, Exp. Alex.* v. 4; *Scaliger, De emend. temp.* Not. ad *Fragm. subj.* pp. 39-43.

<sup>15</sup> As Niebuhr (*Lectures on Ancient*

*History*, vol. i. pp. 21, 23, 28, 30); Bunsen (*Egypt's Place in Universal History*, vol. iii. p. 432); Mure (*History of Greek Literature*, vol. v. pp. 487-497), &c.

<sup>16</sup> The Assyrian "Empire," according to Herodotus (i. 95), lasted 520 years. The Medes then revolted, and remained for some time without a king. After a while the regal power was conferred on Deïoces, who reigned 53 years. He was succeeded by his son Phraortes, who reigned 22 years. Cyaxares then ascended the Median throne, and after reigning at least 30 years, took Nineveh and destroyed the Assyrian kingdom. This was (according to Herodotus) about B.C. 603. The commencement of the empire was  $(520 + x + 53 + 22 + 30 =) 625 + x$  years earlier, or B.C.  $1228 + x$ .

according to him, held the undisputed supremacy of Western Asia for 520 years, or from about B.C. 1250 to about B.C. 730 — after which they maintained themselves in an independent but less exalted position for about 130 years longer, till nearly the close of the seventh century before our era. These dates are not indeed to be accepted without reserve; but they are approximate to the truth, and are, at any rate, greatly preferable to those of Ctesias.

The chronology of Berosus was, apparently, not very different from that of Herodotus. There can be no reasonable doubt that his sixth Babylonian dynasty represents the line of kings which ruled in Babylon during the period known as that of the Old Empire in Assyria. Now this line, which was Semitic, appears to have been placed upon the throne by the Assyrians, and to have been among the first results of that conquering energy which the Assyrians at this time began to develop. Its commencement should therefore synchronise with the foundation of an Assyrian Empire. The views of Berosus on this latter subject may be gathered from what he says of the former. Now the scheme of Berosus gave as the date of the establishment of this dynasty about the year B.C. 1300; and as Berosus undoubtedly placed the fall of the Assyrian Empire in B.C. 625, it may be concluded, and with a near approach to certainty, that he would have assigned the Empire a duration of about 675 years, making it commence with the beginning of the thirteenth century before our era, and terminate midway in the latter half of the seventh.

If this be a true account of the ideas of Berosus, his scheme of Assyrian chronology would have differed only slightly from that of Herodotus; as will be seen if we place the two schemes side by side.

#### ASSYRIAN CHRONOLOGY.

ACCORDING TO HERODOTUS.		ACCORDING TO BEROSUS.	
	ab. B.C. ab. B.C.		ab. B.C. ab. B.C.
Great Empire, lasting 520 years	1250 to 730	Assyrian Dynasty of 45 kings in Babylon (526 years)	1301 to 775
Revolt of Medes	730	Reign of Pul (about 28 years)	775 to 747
Curtailed Kingdom, lasting 130 yrs.	730 to 600	Assyrian kings from Pul to Sardanapalus (122 years)	747 to 625
Destruction of Nineveh	600	Destruction of Nineveh	625

In the case of a history so ancient as that of Assyria, we might well be content if our chronology were vague merely to the extent of the variations here indicated. The parade of exact dates with reference to very early times is generally fallacious, unless it be understood as adopted simply for the sake of convenience. In the history of Assyria, however, we may make a nearer approach to exactness than in most others of the same antiquity, owing to the existence of two chronological documents of first-rate importance. One of these is the famous Canon of Ptolemy, which, though it is directly a Babylonian record, has important bearings on the chronology of Assyria. The other is an Assyrian Canon, discovered and edited by Sir H. Rawlinson in 1862,<sup>17</sup> which gives the succession of the kings for 251 years, commencing (as is thought) B.C. 911 and terminating B.C. 660, eight years after the accession of the son and successor of Esarhaddon. These two documents, which harmonise admirably, carry up an *exact* Assyrian chronology almost from the close of the Empire to the tenth century before our era. For the period anterior to this we have, in the Assyrian records, one or two isolated dates, dates fixed in later times with more or less of exactness; and of these we might have been inclined to think little, but that they harmonise remarkably with the statements of Berosus and Herodotus, which place the commencement of the Empire about B.C. 1300, or a little later. We have, further, certain lists of kings, forming continuous lines of descent from father to son, by means of which we may fill up the blanks that would otherwise remain in our chronological scheme with approximate dates calculated from an estimate of generations. From these various sources the subjoined scheme has been composed, the sources being indicated at the side, and the fixed dates being carefully distinguished from those which are uncertain or approximate.

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<sup>17</sup> See *Athenæum*, No. 1812. M. Oppert's claim to the first publication of this document (*Inscriptions des Sar-* | *gonides*, p. 15) is simply (and literally) preposterous.

## KINGS OF ASSYRIA.

B.C.	B.C.			
-	-	Bel-sumili-kapi	• •	Called the founder of the kingdom on a genealogical tablet.
-	-	Irba-vul	• •	Mentioned by Tiglath-Pileser I. as a former king. A very archaic tablet in the British Museum is dated in his reign.
-	-	Ashur-iddin-akhi	•	Mentioned by Tiglath-Pileser as a former king.
Ab. 1440 to 1420		Ashur-bil-nisi-su		Mentioned on a synchronistic tablet, which connects them with the time of Purnu-puriyas, the Chaldean king. Ashur-upallit mentioned on Kileh-Sherghat bricks.
- 1420 to 1400		Buzur-Ashur (successor)		
- 1400 to 1380		Ashur-upallit (successor)		
- 1380 to 1360		Bel-lush (his son)		Names and succession found on Kileh-Sherghat bricks, vases, &c. Shalmaneser mentioned also on a genealogical slab and in the standard inscription of Nimrud.
- 1360 to 1340		Pud-il (his son)		
- 1340 to 1320		Vul-lush I. (his son)		
- 1320 to 1300		Shalmaneser I. (his son)		
- 1300 to 1280		Tiglath-Nin	• •	Mentioned on a genealogical tablet. Called "the conqueror of Babylon," and placed by Sennacherib 600 years before his own capture of Babylon in B.C. 703.
- 1280 to 1210		Bel-kudur-uzur		Mentioned on the synchronistic tablet as the predecessor of Nin-pala-zira.
- 1210 to 1190		Nin-pala-zira (successor)		Names and relationship given in cylinder of Tiglath-Pileser I. Mentioned on the synchronistic tablet above spoken of. Date of Tiglath-Pileser I. fixed by the Bavarian inscription. Dates of the other kings calculated from his at 20 years to a generation. Mentioned in an inscription of Shalmaneser II.
- 1190 to 1170		Ashur-dayan I. (his son)		
- 1170 to 1150		Mutaggil-Nebo (his son)		
- 1150 to 1130		Ashur-ria-ilim (his son)		
- 1130 to 1110		Tiglath-Pileser I. (his son)		
- 1110 to 1090		Ashur-bil-kala (his son)		
- 1090 to 1070		Shamas-Vul I. (his brother)	• •	
		Ashur-mazur	• •	
- 930 to 911		Ashur-dayan II.		The kings from Ashur-dayan II. to Vul-lush III. are proved to have been in direct succession by the Kileh-Sherghat and Nimrud monuments. The last nine reigns are given in the Assyrian Canon. The Canon is the sole authority for the last three. The dates of the whole series are determined from the Canon of Ptolemy by calculating back from B.C. 680, his date for the accession of Esar-haddon (Asaridanus). They might also be fixed from the year of the great eclipse.
911 to 889		Vul-lush II. (his son)		
889 to 883		Tiglath-Nin II. (his son)		
883 to 858		Ashur-izir-pal (his son)		
858 to 823		Shalmaneser II. (his son)		
823 to 810		Shamas-Vul II. (his son)		
810 to 781		Vul-lush III. (his son)		
781 to 771		Shalmaneser III.		
771 to 753		Ashur-dayan III.		
753 to 745		Ashur-lush		
745 to 727		Tiglath-Pileser II.		The years of these kings, from Esar-haddon upwards, are taken from the Assyrian Canon. The dates accord strictly with the Canon of Ptolemy. The last year of Ashur-bani-pal is to some extent conjectural.
727 to 722		Shalmaneser IV.		
722 to 705		Sargon		
705 to 681		Sennacherib (his son)		
681 to 668		Esar-haddon (his son)		
668 to 626(?)		Ashur-bani-pal (his son)		
626(?) to 625		Ashur-emid-ilim		

Early Kingdom.

Great Empire of Herodotus.  
526 years of Berossus.Later Kingdom  
of Herodotus  
and Berossus.

It will be observed that in this list the chronology of Assyria is carried back to a period nearly a century and a half anterior to B.C. 1300, the approximate date, according to Herodotus and



Berosus, of the establishment of the "Empire." It might have been concluded, from the mere statement of Herodotus, that Assyria existed before the time of which he spoke, since an empire can only be formed by a people already flourishing. Assyria as an independent kingdom is the natural antecedent of Assyria as an Imperial power; and this earlier phase of her existence might reasonably have been presumed from the later.<sup>1</sup> The monuments furnish distinct evidence of the time in question in the fourth, fifth, and sixth kings of the above list, who reigned while the Chaldæan empire was still flourishing in Lower Mesopotamia.<sup>2</sup> Chronological and other considerations induce a belief that the four kings who follow likewise belonged to it; and that the "Empire" commenced with Tiglath-Nin I., who is the first great conqueror.

The date assigned to the accession of this king, B.C. 1300, which accords so nearly with Berosus' date for the commencement of his 526 years, is obtained from the monuments in the following manner. First, Sennacherib, in an inscription set up in or about his tenth year (which was B.C. 694), states that he recovered from Babylon certain images of gods, which had been carried thither by Merodach-idin-akhi, king of Babylon, who had obtained them in his war with Tiglath-Pileser, king of Assyria, 418 years previously.<sup>3</sup> This gives for the date of the war with Tiglath-Pileser the year B.C. 1112. As that monarch does not mention the Babylonian war in the annals which relate the events of his early years,<sup>4</sup> we must suppose his defeat to have taken place towards the close of his reign, and assign him the space from B.C. 1130 to B.C. 1110, as, approximately, that during

<sup>1</sup> Some writers have endeavoured to reconcile Ctesias with Herodotus by supposing the former to speak of the beginning of the *kingdom* of Assyria, the latter of the commencement of the *empire*. (See Clinton, *Fasti Hellenici*, vol. i. Appendix, ch. iv.) But this is a mere forced and artificial mode of producing an apparent reconciliation, since it was really the *Empire* which Ctesias made to begin with Ninus and Semiramis (Diod. Sic. ii. 1-19).

<sup>2</sup> *Infra*, p. 55.

<sup>3</sup> This important statement is contained in a rock-inscription at Bavian. It is evident, from the employment of an exact number (418), that Sennacherib believed himself to be in possession of a perfectly accurate chronology for a period exceeding four centuries from his own time. The discovery of the Assyrian Canon shows us the mode in which such an exact chronology would have been kept.

<sup>4</sup> *Infra*, pp. 65-68, and p. 77.

which he is likely to have held the throne. Allowing then to the six monumental kings who preceded Tiglath-Pileser average reigns of twenty years each, which is the actual average furnished by the lines of direct descent in Assyria, where the length of each reign is known,<sup>5</sup> and, allowing fifty years for the break between Tiglath-Nin and Bel-kudur-uzur, we are brought to  $(1130+120+50)$  B.C. 1300 for the accession of the first Tiglath-Nin, who took Babylon, and is the first king of whom extensive conquests are recorded.<sup>6</sup> Secondly, Sennacherib in another inscription reckons 600 years from his first conquest of Babylon (B.C. 703) to a year in the reign of this monarch. This "six hundred" may be used as a round number; but as Sennacherib considered that he had the means of calculating exactly, he would probably not have used a round number, unless it was tolerably near to the truth. Six hundred years before B.C. 703 brings us to B.C. 1303.

The chief uncertainty which attaches to the numbers in this part of the list arises from the fact that the nine kings from Tiglath-Nin downwards do not form a single direct line. The inscriptions fail to connect Bel-kudur-uzur with Tiglath-Nin, and there is thus a probable interval between the two reigns, the length of which can only be conjectured.

The dates assigned to the later kings, from Vul-lush II. to Esarhaddon inclusive, are derived from the Assyrian Canon taken in combination with the famous Canon of Ptolemy. The agreement between these documents, and between the latter and the Assyrian records generally, is exact;<sup>7</sup> and a conformation is thus

<sup>5</sup> Two such lines only are obtainable from the Assyrian lists. The first extends from Vul-lush II. to Vul-lush III. inclusive; this contains six kings, whose united reigns amount to 130 years, furnishing thus an average of  $21\frac{1}{2}$  years. The other begins with Sargon and terminates with Saül-mugina (Saosduchinus), his great-grandson, containing four reigns, which cover a space of 74 years. The average length of a reign is here  $18\frac{1}{2}$  years. The mean average is therefore, as nearly as possible, 20 years.

<sup>6</sup> See below, pp. 58, 59.

<sup>7</sup> The Assyrian Canon assigns 17

years to Sargon and 24 to Sennacherib, or 41 to the two together. Sargon's first year, according to an Inscription of his own, synchronised with the first of Merodach-Baladan, in Babylon. Now from this to the first of Esarhaddon, Sennacherib's son and successor, is exactly 41 years in the Canon of Ptolemy. Again, Sargon ascribes to Merodach-Baladan, just as Ptolemy does, a reign of 12 years. Sennacherib assigns 3 years to Belib or Belipni, as Ptolemy does to Belibus, and mentions that he was superseded in his office by Asshur-inadi-su — Ptolemy's Aparanadius or Assaranadius. Add to

afforded to Ptolemy which is of no small importance. The dates from the accession of Vul-lush II. (B.C. 911) to the death of Esarhaddon (B.C. 668) would seem to have the same degree of accuracy and certainty which has been generally admitted to attach to the numbers of Ptolemy. They have been confirmed by the notice of a great eclipse in the eighth year of Asshur-dayan III., which is undoubtedly that of June 15, B.C. 763.<sup>8</sup>

The reign of Asshur-bani-pal (Sardanapalus), the son and successor of Esarhaddon, which commenced B.C. 668, is carried down to B.C. 626 on the combined authority of Berosus, Ptolemy, and the monuments. The monuments show that Asshur-bani-pal proclaimed himself king of Babylon after the death of Saül-mugina, whose last year was (according to Ptolemy) B.C. 647; and that from the date of this proclamation he reigned over Babylon at least twenty years. Polyhistor, who reports Berosus, has left us statements which are in close accordance, and from which we gather that the exact length of the reign of Asshur-bani-pal over Babylon was twenty-one years.<sup>9</sup> Hence, B.C. 626 is obtained as the year of his death. As Nineveh appears to have been destroyed B.C. 625 or 624, two years only are left for Asshur-bani-pal's son and successor, Asshur-emid-illin, the Saracus of Abydenus.

The framework of Assyrian chronology being thus approximately, and, to some extent, provisionally settled, we may proceed to arrange upon it the facts, so far as they have come down to us, of Assyrian history.

In the first place, then, if we ask ourselves where the Assyrians came from, and at what time they settled in the country which thenceforth bore their name, we seem to have an answer, at any rate, to the former of these two questions, in Scripture. "Out of that land" — the land of Shinar — "went forth Asshur,

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this that in no case has the date of a king's reign on any tablet been found to exceed the number of years which Ptolemy allows him.

<sup>8</sup> See Appendix A. "On the record of an eclipse in the Assyrian Canon."

<sup>9</sup> Polyhistor gave the succession of the latter *Babylonian* kings as follows:—

Sennacherib, his son (*i.e.* Esarhaddon), Sammughes (Saül-mugina), Sardanapalus, his brother (Asshur-bani-pal), Nabopolassar, Nebuchadnezzar, &c. The reign of Sardanapalus lasted (he said) 21 years. (Ap. Euseb. *Chr. Can.* Pars 1<sup>ma</sup>. v. §§ 2, 3.)

and builded Nineveh."<sup>1</sup> The Assyrians, previously to their settlement on the middle Tigris, had dwelt in the lower part of the great valley — the flat alluvial plain towards the mouths of the two streams. It was here, in this productive region, where nature does so much for man, and so little needs to be supplied by himself, that they had grown from a family into a people; that they had learnt or developed a religion, and that they had acquired a knowledge of the most useful and necessary of the arts. It has been observed in a former chapter<sup>2</sup> that the whole character of the Assyrian architecture is such as to indicate that their style was formed in the low flat alluvium, where there were no natural elevations, and stone was not to be had. It has also been remarked that their writing is manifestly derived from the Chaldæan;<sup>3</sup> and that their religion is almost identical with that which prevailed in the lower country from a very early time.<sup>4</sup> The evidence of the monuments accords thus, in the most striking way, with the statement of the Bible, exhibiting to us the Assyrians as a people who had once dwelt to the south, in close contact with the Chaldæans, and had removed after a while to a more northern position.

With regard to the date of their removal, we can only say that it was certainly anterior to the time of the Chaldæan kings, Purna-puriyas and Kurri-galzu, who seem to have reigned in the fifteenth century before our era. If we could be sure that the city called in later times Asshur bore that name when Shamas-Vul, the son of Ismi-Dagon, erected a temple there to Anu and Vul,<sup>5</sup> we might assign to the movement a still higher antiquity; for Shamas-Vul belongs to the nineteenth century B.C.<sup>6</sup> As, however, we have no direct evidence that either the

<sup>1</sup> Gen. x. 10 and 11. The true meaning of the Hebrew has been doubted, and our translators have placed in the margin as an alternative version, "He (*i.e.* Nimrod) went out into Assyria, and builded Nineveh," &c. But the real meaning of *בָּנָה מִנִּיבֶה* would seem to be almost certainly that given in the text. So the Septuagint renders *Ἐκ τῆς γῆς ἐκείνης ἐβῆλθεν Ἀσσοῦρ*, and the Syriac and Vulgate ver-

sions agree. (Compare Rosenmüller, *Schol. in Genes.* p. 215.)

<sup>2</sup> See vol. i. ch. vi. p. 338.

<sup>3</sup> *Ibid.* ch. v. p. 268.

<sup>4</sup> *Supra*, ch. viii. p. 1.

<sup>5</sup> Tiglath-Pileser calls Shamas-Vul and his father "high-priests of the god Asshur" (*Inscription*, p. 62), but says nothing of the name of the city at the time when the temple was erected.

<sup>6</sup> See vol. i. p. 164.

city or the country was known as Asshur until four centuries later, we must be content to lay it down that the Assyrians had moved to the north certainly as early as B.C. 1440, and that their removal may not improbably have taken place several centuries earlier.<sup>7</sup>

The motive of the removal is shrouded in complete obscurity. It may have been a forced colonization, commanded and carried out by the Chaldaean kings, who may have originated the system of transplanting to distant regions subject tribes of doubtful fidelity;<sup>8</sup> or it may have been the voluntary self-expatriation of an increasing race, pressed for room and discontented with its condition. Again, it may have taken place by a single great movement, like that of the Tartar tribes, who transferred their allegiance from Russia to China in the reign of the Empress Catherine, and emigrated in a body from the banks of the Don to the eastern limits of Mongolia;<sup>9</sup> or it may have been a gradual and protracted change, covering a long term of years, like most of the migrations whereof we read in history. On the whole, there is perhaps some reason to believe that a spirit of enterprise about this time possessed the Semitic inhabitants of lower Mesopotamia, who voluntarily proceeded northwards in the hope of bettering their condition. Terah conducted one body from Ur to Harrañ;<sup>10</sup> another removed itself from the shores of the Persian Gulf to those of the Mediterranean;<sup>11</sup> while probably a third, larger than either of these two, ascended the course of the Tigris, occupied Adiabêné, with the adjacent regions, and, giving its own tribal name of Asshur to its chief city and territory, became known to its neighbours first as a distinct, and then as an independent and powerful people.

The Assyrians for some time after their change of abode were

<sup>7</sup> It is important to bear in mind that on the mutilated Synchronistic tablet the names of Asshur-bel-nisi-su, &c., occur half-way down the first column; which makes it probable that ten or a dozen names of Assyrian kings preceded them.

<sup>8</sup> On the prevalence of this system in the East, see the author's *Herodotus*, vol. i. p. 405; vol. ii. p. 467; and vol. iii. p. 149; 2nd edition.

<sup>9</sup> See the account of this emigration in M. Hommaire de Hell's *Travels in the Steppes of the Caspian Sea*, pp. 227-235.

<sup>10</sup> Gen. xi. 31.

<sup>11</sup> On the Phœnician emigration see Kenrick's *Phœnicia*, pp. 46-48; and compare the author's *Herodotus*, vol. iv. pp. 196-202, 2nd edition.

probably governed by Babylonian rulers, who held their office under the Chaldæan Emperor. Bricks of a Babylonian character have been found at Kileh-Sherghat, the original Assyrian capital, which are thought to be of greater antiquity than any of the purely Assyrian remains, and which may have been stamped by these provincial governors.<sup>12</sup> Ere long, however, the yoke was thrown off, and the Assyrians established a separate monarchy of their own in the upper country, while the Chaldæan Empire was still flourishing under native monarchs of the old ethnic type in the regions nearer to the sea. The special evidence which we possess of the co-existence side by side of these two kingdoms is furnished by a broken tablet of a considerably later date,<sup>13</sup> which seems to have contained, when complete, a brief but continuous sketch of the synchronous history of Babylonia and Assyria, and of the various transactions in which the monarchs of the two countries had been engaged one with another, from the most ancient times. This tablet has preserved to us the names of three very early Assyrian kings — Asshur-bil-nisi-su, Buzur-Asshur, and Asshur-upallit, of whom the two former are recorded to have made treaties of peace with the contemporary kings of Babylon; <sup>1</sup> while the last-named intervened in the domestic affairs of the country, depriving an usurping monarch of the throne, and restoring it to the legitimate claimant, who was his own relation. Intermarriages, it appears, took place at this early date between the royal families of Assyria and Chaldæa; and Asshur-upallit, the third of the three kings, had united one of his daughters to Purna-puriyas, a Chaldæan monarch who has received notice in the preceding volume.<sup>2</sup> Oh the death of Purna-puriyas, Kara-khar-das, the issue of this marriage, ascended the throne; but he had not reigned long before his subjects rebelled against his authority.

<sup>12</sup> See the Essay of Sir H. Rawlinson in the author's *Herodotus*, vol. i. p. 366, note <sup>1</sup>.

<sup>13</sup> As the tablet is mutilated at both extremities, its date is uncertain; but it cannot anyhow be earlier than the time of Shalmaneser II., to whose wars it alludes. Most probably it belongs to the time of Esarhaddon or Asshur-bani-pal.

<sup>1</sup> Asshur-bel-nisi-su is said to have made a treaty with a Babylonian king otherwise unknown, whose name is read doubtfully as *Kara-in-das*. Buzur-Asshur, his successor, made a treaty with Purna-puriyas.

<sup>2</sup> See vol. i. p. 169.

A struggle ensued, in which he was slain, whereupon a certain Nazi-bugas, an usurper, became king, the line of Purna-puriyas being set aside. Asshur-upallit, upon this, interposed. Marching an army into Babylonia, he defeated and slew the usurper, after which he placed on the throne another son of Purna-puriyas, the Kurri-galzu<sup>3</sup> already mentioned in the account of the kings of Chaldæa.

What is most remarkable in the glimpse of history which this tablet opens to us is the power of Assyria, and the apparent terms of equality on which she stands with her neighbour. Not only does she treat as an equal with the great Southern Empire — not only is her royal house deemed worthy of furnishing wives to its princes — but when dynastic troubles arise there, she exercises a predominant influence over the fortunes of the contending parties, and secures victory to the side whose cause she espouses. Jealous as all nations are of foreign interposition in their affairs, we may be sure that Babylonia would not have succumbed on this occasion to Assyria's influence, had not her weight been such that, added to one side in a civil struggle, it produced a preponderance which defied resistance.

After this one short lift,<sup>4</sup> the curtain again drops over the history of Assyria for a space of about sixty years, during which our records tell us nothing but the mere names of the kings. It appears from the bricks of Kileh-Sherghat that Asshur-upallit was succeeded upon the throne by his son,<sup>5</sup> Bel-lush, or Bel-likhus (Belochus?), who was in his turn followed by his son, Pudil, his grandson, Vul-lush, and his great-grandson, Shalmaneser, the first of the name. Of Bel-lush, Pudil, and Vul-lush I., we know only that they raised or repaired important buildings in their city of Asshur (now Kileh-Sherghat), which in their time, and for some centuries later, was the capital of the monarchy.

<sup>3</sup> See vol. i. p. 170.

<sup>4</sup> Asshur-upallit is also mentioned on a tablet of Tiglath-Pileser I. as having repaired a temple built by Shamas-Vul, which was again repaired at a later date by Shalmaneser I.

<sup>5</sup> The regular succession of these early Assyrian monarchs has been discovered

since the first edition of this work was published. A brick of Pudil's, on which he speaks of his father, Bel-lush, and his grandfather, Asshur-upallit, has enabled us definitely to connect the first group of three Assyrian monarchs with the second group of five.

This place was not very favourably situated, being on the right bank of the Tigris, which is a far less fertile region than the left, and not being naturally a place of any great strength. The Assyrian territory did not at this time, it is probable, extend very far to the north: at any rate, no need was as yet felt for a second city higher up the Tigris valley, much less for a transfer of the seat of government in that direction. Calah was certainly, and Nineveh probably, not yet built;<sup>1</sup> but still the kingdom had obtained a name among the nations; the term Assyria was applied geographically to the whole valley of the middle Tigris;<sup>2</sup> and a prophetic eye could see in the hitherto quiescent power the nation fated to send expeditions into Palestine, and to bear off its inhabitants into captivity.<sup>3</sup>

Shalmaneser I. (ab. B.C. 1320) is chiefly known in Assyrian history as the founder of Calah (Nimrud),<sup>4</sup> the second, apparently, of those great cities which the Assyrian monarchs delighted to build and embellish. This foundation would of itself be sufficient to imply the growth of Assyria in his time towards the north, and would also mark its full establishment as the dominant power on the left as well as the right bank of the Tigris. Calah was very advantageously situated in a region of great fertility and of much natural strength, being protected on one side by the Tigris, and on the other by the Shor-Derreh torrent, while the Greater Zab further defended it at the distance of a few miles on the south and south-east, and the Khazr or Ghazr-Su on the north-east.<sup>5</sup> Its settlement must have secured to the Assyrians the undisturbed possession of the fruitful and important district between the Tigris and the mountains, the Aturia or Assyria Proper of later times,<sup>6</sup> which

<sup>1</sup> It may be objected that these cities are mentioned as already built in the time of Moses (Gen. x. 11), who probably lived in the fifteenth century B.C. To this it may be replied, in the first place, that the date of Moses is very uncertain, and, secondly, that the eleventh and twelfth verses of the tenth chapter of Genesis are very possibly an addition made by Ezra on the return from the Captivity.

<sup>2</sup> See Gen. ii. 14, and compare above, vol. i. p. 6.

<sup>3</sup> Numbers xxiv. 22.

<sup>4</sup> Shalmaneser is also called the founder (or enlarger) of the Temple of Kharris-matira, which was probably at Calah.

<sup>5</sup> See the Chart *supra*, vol. i. p. 565.

<sup>6</sup> Strabo, xvi. 1, § 1; Arrian, *Exp. Alex.* iii. 7.



ultimately became the great metropolitan region in which almost all the chief towns were situated.

It is quite in accordance with this erection of a sort of second capital, further to the north than the old one, to find, as we do, by the inscriptions of Asshur-izir-pal, that Shalmaneser undertook expeditions against the tribes on the upper Tigris, and even founded cities in those parts, which he colonized with settlers brought from a distance. We do not know what the exact bounds of Assyria towards the north were before his time, but there can be no doubt that he advanced them; and he is thus entitled to the distinction of being the first known Assyrian conqueror.

With Tiglath-Nin, the son and successor of Shalmaneser I., the spirit of conquest displayed itself in a more signal and striking manner. The probable date of this monarch has already been shown to synchronise closely with the time assigned by Berosus to the commencement of his sixth Babylonian dynasty, and by Herodotus to the beginning of his "Assyrian Empire."<sup>7</sup> Now Tiglath-Nin appears in the Inscriptions as the prince who first aspired to transfer to Assyria the supremacy hitherto exercised, or at any rate claimed, by Babylon. He made war upon the Southern kingdom, and with such success that he felt himself entitled to claim its conquest, and to inscribe upon his signet-seal the proud title of "Conqueror of Babylonia."<sup>8</sup> This signet-seal, left by him (as is probable) at Babylon, and recovered about six hundred years later by Sennacherib, shows to us that he reigned for some time in person at the southern capital,<sup>9</sup> where it would seem that he afterwards established an Assyrian dynasty — a branch perhaps of his own family. This is probably the exact event of which Berosus spoke as occurring 526 years before Phul or Pul, and which Herodotus regarded as marking

<sup>7</sup> Supra, pp. 50, 51.

<sup>8</sup> The full inscription was as follows, according to Sennacherib:—

"Tiglath-Nin, king of Assyria, son of Shalmaneser, king of Assyria, and conqueror of *Kar-Dunyas* (or Babylonia). Whoever injures my device (?) or name,

may Asshur and Vul destroy his name and country.

<sup>9</sup> Hence, on the genealogical tablet he is called "king of Sumir and Akkad" (*i.e.* of Babylonia), a title not given to any of the other kings.

the commencement of the Assyrian "Empire." We must not, however, suppose that Babylonia was from this time really subject continuously to the Court of Nineveh. The subjection may have been maintained for a little less than a century; but about that time we find evidence that the yoke of Assyria had been shaken off, and that the Babylonian monarchs, who have Semitic names, and are probably Assyrians by descent, had become hostile to the Ninevite kings, and were engaged in frequent wars with them.<sup>10</sup> No real permanent subjection of the Lower country to the Upper was effected till the time of Sargon; and even under the Sargonid dynasty revolts were frequent; nor were the Babylonians reconciled to the Assyrian sway till Esarhaddon united the two crowns in his own person, and reigned alternately at the two capitals. Still, it is probable that, from the time of Tiglathi-Nin, the Upper country was recognised as the superior of the two: it had shown its might by a conquest and the imposition of a dynasty—proofs of power which were far from counterbalanced by a few retaliatory raids adventured upon under favourable circumstances by the Babylonian princes. Its influence was therefore felt, even while its yoke was refused; and the Semitising of the Chaldeans, commenced under Tiglathi-Nin, continued during the whole time of Assyrian preponderance; no effectual Turanian reaction ever set in; the Babylonian rulers, whether submissive to Assyria or engaged in hostilities against her, have equally Semitic names; and it does not appear that any effort was at any time made to recover to the Turanian element of the population its early supremacy.

The line of direct descent, which has been traced in uninterrupted succession through eight monarchs, beginning with Asshur-bel-nisi-su, here terminates; and an interval occurs which can only be roughly estimated as probably not exceeding fifty years. Another consecutive series of eight kings follows, known to us chiefly through the famous Tiglath-Pileser cylinder (which gives the succession of five of them),

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<sup>10</sup> *Infra*, pp. 61, 62, 77, 78, &c.

but completed from the combined evidence of several other documents.<sup>1</sup> These monarchs, it is probable, reigned from about B.C. 1230 to B.C. 1070.

Bel-kudur-uzur, the first monarch of this second series, is known to us wholly through his unfortunate war with the contemporary king of Babylon. It seems that the Semitic line of kings, which the Assyrians had established in Babylon, was not content to remain very long in a subject position. In the time of Bel-kudur-uzur, Vul-baladan, the Babylonian vassal monarch, revolted; and a war followed between him and his Assyrian suzerain, which terminated in the defeat and death of the latter, who fell in a great battle, about B.C. 1210.

Nin-pala-zira succeeded. It is uncertain whether he was any relation to his predecessor, but clear that he avenged him. He is called "the king who organized the country of Assyria, and established the troops of Assyria in authority."<sup>2</sup> It appears that shortly after his accession, Vul-baladan of Babylon, elated by his previous successes, made an expedition against the Assyrian capital, and a battle was fought under the walls of Asshur, in which Nin-pala-zira was completely successful. The Babylonians fled, and left Assyria in peace during the remainder of the reign of this monarch.

Asshur-dayan, the third king of the series, had a long and prosperous reign.<sup>3</sup> He made a successful inroad into Babylonia, and returned into his own land with a rich and valuable booty. He likewise took down the temple which Shamus-Vul, the son of Ismi-Dagon, had erected to the gods Asshur and Vul at

<sup>1</sup> The chief of these are, 1, the Babylonian and Assyrian synchronistic tablet, which gives the names of Bel-kudur-uzur and Nin-pala-zira, and again those of Asshur-ris-ilim, Tiglath-Pileser, and Asshur-bil-kala, in apparent succession; and, 2, an inscription on a mutilated statue of the goddess Ishtar, now in the British Museum, which contains these last three royal names, and determinately proves the direct genealogical succession of the three monarchs.

<sup>2</sup> *Inscription of Tiglath-Pileser I.* p. 62.

<sup>3</sup> *Ibid.* l. c. We may gather, however, indirectly from the Tiglath-Pileser Inscription that at least one considerable calamity took place in his reign. The Muskai (Moschi) are said to have occupied the countries of Alzi and Purukhuz, and stopped their payment of tribute to Assyria *fifty years* before the commencement of Tiglath-Pileser's reign (*ibid.* p. 22). This event must certainly have fallen into the time either of Asshur-dayan or of his son, Mutaggil-Nebo. Most probably it belonged to the reign of the former.

Asshur, the Assyrian capital, because it was in a ruinous condition, and required to be destroyed or rebuilt. Asshur-dayan seems to have shrunk from the task of restoring so great a work, and therefore demolished the structure, which was not rebuilt for the space of sixty years from its demolition.<sup>4</sup> He was succeeded upon the throne by his son Mutaggil-Nebo.

Mutaggil-Nebo reigned probably from about B.C. 1170 to B.C. 1150. We are informed that "Asshur, the great Lord, aided him according to the wishes of his heart, and established him in strength in the government of Assyria."<sup>5</sup> Perhaps these expressions allude to internal troubles at the commencement of his reign, over which he was so fortunate as to triumph. We have no further particulars of this monarch.

Asshur-ris-ilim, the fourth king of the series, the son and successor of Mutaggil-Nebo, whose reign may be placed between B.C. 1150 and B.C. 1130, is a monarch of greater pretensions than most of his predecessors. In his son's Inscription he is called "the powerful king, the subduer of rebellious countries, he who has reduced all the accursed."<sup>6</sup> These expressions are so broad, that we must conclude from them, not merely that Asshur-ris-ilim, unlike the previous kings of the line, engaged in foreign wars, but that his expeditions had a great success, and paved the way for the extensive conquests of his son and successor, Tiglath-Pileser. Probably he turned his arms in various directions, like that monarch. Certainly he carried them southwards into Babylonia, where, as we learn from the synchronistic tablet of Babylonian and Assyrian history, he was engaged for some time in a war with a Nebuchadnezzar (*Nabukudur-uzur*), the first known king of that name. It has been conjectured that he likewise carried them into Southern Syria and Palestine;<sup>7</sup> and that, in fact, he is the monarch designated in the book of Judges by the name of Chushan-ris-athaim,<sup>8</sup> who is called "the king of Mesopotamia (Aram-Naharaim)," and is said to have exercised dominion over the Israelites for eight

<sup>4</sup> *Inscription of Tiglath-Pileser*, p. 62.

<sup>5</sup> *Ibid.* p. 60.

<sup>6</sup> *Ibid.*

<sup>7</sup> Sir H. Rawlinson, in the *Athenæum*

for Aug. 22, 1863 (No. 1869, p. 244, note 7).

<sup>8</sup> Judges iv. 4.

years. This identification, however, is too uncertain to be assumed without further proof. The probable date of Chushan-ris-athaim is some two (or three) centuries earlier; and his title, "king of Mesopotamia," is one which is not elsewhere applied to Assyrian monarchs.

A few details have come down to us with respect to the Babylonian war of Asshur-ris-ilim. It appears that Nebuchadnezzar was the assailant. He began the war by a march up the Diyaleh and an advance on Assyria along the outlying Zegros hills, the route afterwards taken by the great Persian road described by Herodotus. Asshur-ris-ilim went out to meet him in person, engaged him in the mountain region, and repulsed his attack. Upon this the Babylonian monarch retired, and after an interval, the duration of which is unknown, advanced a second time against Assyria, but took now the direct line across the plain. Asshur-ris-ilim on this occasion was content to employ a general against the invader. He "sent" his chariots and his soldiers towards his southern border, and was again successful, gaining a second victory over his antagonist, who fled away, leaving in his hands forty chariots and a banner.

Tiglath-Pileser I., who succeeded Asshur-ris-ilim about B.C. 1130, is the first Assyrian monarch of whose history we possess copious details which can be set forth at some length. This is owing to the preservation and recovery of a lengthy document belonging to his reign—in which are recorded the events of his first five years.<sup>9</sup> As this document is the chief

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<sup>9</sup> This document exists on two duplicate cylinders in the British Museum, which are both nearly complete. The Museum also contains fragments of several other cylinders which bore the same inscription.

The translation from which the following quotations are made was executed in the year 1857, under peculiar circumstances. Four gentlemen, Sir H. Rawlinson, Mr. Fox Talbot, Dr. Hincks, and Dr. Oppert, were furnished simultaneously with a lithographed copy of

the inscription, which was then unpublished; and these gentlemen, working independently, produced translations, more or less complete, of the document. The translations were published in parallel columns by Mr. Parker, of the Strand, under the title of "Inscription of Tiglath-Pileser I., King of Assyria, B.C. 1150. London, J. W. Parker, 1857."

A perusal of this work would probably remove any incredulity which may still exist in any quarter on the subject of Assyrian decipherment.

evidence we possess of the condition of Assyria,<sup>1</sup> the character and tone of thought of the kings, and indeed of the general state of the Eastern world, at the period in question — which synchronises certainly with some portion of the dominion of the Judges over Israel, and probably with the early conquests of the Dorians in Greece<sup>2</sup> — it is thought advisable to give in this place such an account of it, and such a number of extracts as shall enable the reader to form his own judgment on these several points.

The document opens with an enumeration and glorification of the “great gods” who “rule over heaven and earth,” and are “the guardians of the kingdom of Tiglath-Pileser.” These are “Asshur, the great Lord, ruling supreme over the gods; Bel, the lord, father of the gods, lord of the world; Sin, the leader (?), the lord of empire (?); Shamas, the establisher of heaven and earth; Vul, he who causes the tempest to rage over hostile lands; Nin, the champion who subdues evil spirits and enemies; and Ishtar, the source of the gods, the queen of victory, she who arranges battles.” These deities, who (it is declared) have placed Tiglath-Pileser upon the throne, have “made him firm, have confided to him the supreme crown, have appointed him in might to the sovereignty of the people of Bel, and have granted him pre-eminence, exaltation, and warlike power,” are invoked to make the “duration of his empire continue for ever to his royal posterity, lasting as the great temple of Kharris-Matira.”<sup>3</sup>

In the next section the king glorifies himself, enumerating his royal titles as follows: “Tiglath-Pileser, the powerful king, king of the people of various tongues; king of the four regions; king of all kings; lord of lords; the supreme (?); monarch of monarchs; the illustrious chief, who, under the auspices of the

<sup>1</sup> The British Museum contains another inscription of Tiglath-Pileser I., but it is in an exceedingly bad condition, and has not been published. It is written on three sides of the broken top of an obelisk, and seems to have contained an account of the monarch's buildings, his hunting exploits, and some of his campaigns, *month by month*. He mentions as monarchs who have pre-

ceded him, and whose buildings he repairs, Irba-Vul, Asshur-iddin-akhi, Vul-lush, Tiglathi-Nin, Asshur-dayan, and Asshur-ris-ilim.

<sup>2</sup> The date of Eratosthenes for the Dorian invasion of the Peloponnese was B.C. 1104. Thucydides, apparently, would have placed it seventy or eighty years earlier. (Thuc. v. 112.)

<sup>3</sup> *Inscription, &c.*, pp. 18-20.

Sun-god, being armed with the sceptre and girt with the girdle of power over mankind, rules over all the people of Bel; the mighty prince, whose praise is blazoned forth among the kings; the exalted sovereign, whose servants Asshur has appointed to the government of the four regions, and whose name he has made celebrated to posterity; the conqueror of many plains and mountains of the Upper and Lower country; the victorious hero, the terror of whose name has overwhelmed all regions; the bright constellation who, as he wished, has warred against foreign countries, and under the auspices of Bel—there being no equal to him—has subdued the enemies of Asshur.”<sup>4</sup>

The royal historian, after this introduction, proceeds to narrate his actions—first in general terms declaring that he has subdued all the lands and the peoples round about, and then proceeding to particularise the various campaigns which he had conducted during the first five years of his reign. The earliest of these was against the Muskai, or Moschians, who are probably identical with the Meshech of Holy Scripture<sup>5</sup>—a people governed (it is said) by five kings, and inhabiting the countries of Alzi and Purukhuz, parts (apparently) of Taurus or Niphates.<sup>6</sup> These Moschians are said to have neglected for fifty years to pay the tribute due from them to the Assyrians, from which it would appear that they had revolted during the reign of Asshur-dayan, having previously been subject to Assyria.<sup>7</sup> At this time, with a force amounting to 20,000 men, they had invaded the neighbouring district of Qummukh (Commagène),<sup>8</sup> an Assyrian

<sup>4</sup> *Inscription*, pp. 20–22.

<sup>5</sup> Ps. cxx. 5; Ezek. xxvii. 13; xxxii. 26; xxxviii. 2; xxxix. 1, &c. They are constantly coupled in the Inscriptions with the *Tuplat*, just as Meshech is coupled with Tubal in Scripture, and the Moschi with the Tibareni in Herodotus (iii. 94; vii. 78).

<sup>6</sup> From the Inscription of Tiglath-Pileser we can only say that these regions formed a portion of the mountain country in the vicinity of the Upper Tigris. In later times the main seat of the Moschian power was the Taurus range immediately to the west of the Euphrates. Here was their great city, Mazaca (Jo-

seph., *Ant. Jud.* i. 6; Mos. Chor., *His. Armen.* i. 13), the Cæsaræa Mazaca of the Roman Empire. Hence they seem to have been driven northwards by the Cappadocians, and in the time of Herodotus they occupy a small tract upon the Euxine. (See the author's *Herodotus*, vol. iv. pp. 179–181.)

<sup>7</sup> *Supra*, p. 60, note <sup>2</sup>.

<sup>8</sup> This is one of the very few geographic names in the early Assyrian records which seems to have a classical equivalent. It must not, however, be supposed that the locality of the tribe was the same in Tiglath-Pileser's time as in the days of Strabo and Pliny.

dependency, and had made themselves masters of it. Tiglath-Pileser attacked them in this newly-conquered country, and completely defeated their army. He then reduced Commagêné, despite the assistance which the inhabitants received from some of their neighbours. He burnt the cities, plundered the temples, ravaged the open country, and carried off, either in the shape of plunder or of tribute, vast quantities of cattle and treasure.<sup>9</sup>

The character of the warfare is indicated by such a passage as the following:—

“The country of Kasiyara, a difficult region, I passed through. With their 20,000 men and their five kings, in the country of Qummukh I engaged. I defeated them. The ranks of their warriors in fighting the battle were beaten down as if by the tempest. Their carcasses covered the valleys and the tops of the mountains. I cut off their heads. Of the battlements of their cities I made heaps, like mounds of earth (?). Their moveables, their wealth, and their valuables I plundered to a countless amount. Six thousand of their common soldiers, who fled before my servants, and accepted my yoke, I took and gave over to the men of my own territory as slaves.”<sup>1</sup>

The second campaign was partly in the same region and with the same people. The Moschians, who were still loth to pay tribute, were again attacked and reduced.<sup>2</sup> Commagêné was completely overrun, and the territory was attached to the Assyrian empire.<sup>3</sup> The neighbouring tribes were assailed in their fastnesses, their cities burnt, and their territories ravaged.<sup>4</sup> At the same time war was made upon several other peoples or nations. Among these the most remarkable are the Khatti (Hittites), two of whose tribes, the Kaskians and Urumians,<sup>5</sup> had committed an aggression on the Assyrian territory: for this

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Tiglath-Pileser's Qummukh or Com-mukha appear to occupy the mountain region extending from the Euphrates at Sumeisat to beyond the Tigris at Diarbekr.

<sup>9</sup> *Inscription, &c.*, pp. 22-30.

<sup>1</sup> *Ibid.* p. 24.

<sup>2</sup> *Ibid.* pp. 30-32.

<sup>3</sup> *Ibid.* pp. 32-34.

<sup>4</sup> *Ibid.* pp. 34-36.

<sup>5</sup> These Urumians (*Hurumaya*) were perhaps of the same race with a tribe of the same name who dwelt near and probably gave name to Lake Urumiyeh. The name of the Kaskians recalls that of a primitive Italic people, the Caeli. (See Niebuhr, *Roman History*, vol. i. p. 78, E. T.)



they were chastised by an invasion which they did not venture to resist, by the plundering of their valuables, and the carrying off of 120 of their chariots.<sup>6</sup> In another direction the Lower Zab was crossed, and the Assyrian arms were carried into the mountain region of Zagros, where certain strongholds were reduced and a good deal of treasure taken.<sup>7</sup>

The third campaign was against the numerous tribes of the Naïri,<sup>8</sup> who seem to have dwelt at this time partly to the east of the Euphrates, but partly also in the mountain country west of the stream from Sumeïsāt to the Gulf of Iskenderun.<sup>9</sup> These tribes, it is said, had never previously made their submission to the Assyrians.<sup>10</sup> They were governed by a number of petty chiefs or "kings," of whom no fewer than twenty-three are particularised. The tribes east of the Euphrates seem to have been reduced with little resistance, while those who dwelt west of the river, on the contrary, collected their troops together, gave battle to the invaders, and made a prolonged and desperate defence. All, however, was in vain. The Assyrian monarch gained a great victory, taking 120 chariots, and then pursuing the vanquished Naïri and their allies as far as "the Upper Sea," *i.e.*, the Mediterranean. The usual ravage and destruction followed, with the peculiarity that the lives of the "kings" were spared, and that the country was put to a moderate tribute, *viz.*, 1200 horses and 200 head of cattle.<sup>11</sup>

In the fourth campaign the Aramæans or Syrians were attacked by the ambitious monarch. They occupied at this time the valley of the Euphrates, from the borders of the Tsukhi, or Shuhites<sup>12</sup> (who held the river from about Anah to

<sup>6</sup> The chariots of the Hittites are more than once mentioned in Scripture. (See 1 K. x. 29 and 2 K. vii. 6.)

<sup>7</sup> *Inscription*, p. 38.

<sup>8</sup> The fact that the country occupied by the *Naïri* is, in part, that which the Jews knew as *Aram-Naharaim*, would seem to be a mere accidental coincidence. *Naïri* is a purely ethnic title; *Naharaim* is from נַחַל, "a river," and *Aram-Naharaim* is "Syria of the two rivers," *i.e.*, Mesopotamia. (See above, vol. i. p. 2.) The *Naharaim* of the Egyptian

monuments may, however, be the *Naïri* country."

<sup>9</sup> This is the district which afterwards became Commagène. It is a labyrinth of mountains, twisted spurs from Amanus.

<sup>10</sup> *Inscription*, p. 42.

<sup>11</sup> *Ibid.* p. 44.

<sup>12</sup> This identification is made partly on etymological and partly on geographical grounds. (See the author's article on SHUHITES in Dr. Smith's *Biblical Dictionary*, vol. iii. p. 1298.)

Hit), as high up as Carchemish, the frontier town and chief stronghold of the Khatti or Hittites. Carchemish was not, as has commonly been supposed, Circesium, at the junction of the Khabour with the Euphrates,<sup>13</sup> but was considerably higher up the stream, certainly near to, perhaps on the very site of, the later city of Mabog or Hierapolis.<sup>14</sup> Thus the Aramæans had a territory of no great width, but 250 miles long between its north-western and its south-eastern extremities. Tiglath-Pileser smote this region, as he tells us, "at one blow."<sup>15</sup> First attacking and plundering the eastern or left bank of the river, he then crossed the stream in boats covered with skins, took and burned six cities on the right bank, and returned in safety with an immense plunder.

The fifth and last campaign was against the country of Musr or Muzr, by which some Orientalists have understood Lower Egypt.<sup>16</sup> This, however, appears to be a mistake. The Assyrian Inscriptions designate two countries by the name of Musr or Muzr, one of them being Egypt, and the other a portion of Upper Kurdistan. The expedition of Tiglath-Pileser I. was against the eastern Musr, a highly mountainous country, consisting (apparently) of the outlying ranges of Zagros between the Greater Zab and the Eastern Khabour. Notwithstanding its natural strength and the resistance of the inhabitants, this country was completely overrun in an incredibly short space. The armies which defended it were defeated, the cities burnt, the strongholds taken. Arin, the capital, submitted, and was spared, after which a set tribute was imposed on the entire region, the amount of which is not mentioned. The Assyrian arms were then turned against a neighbouring district, the country of the Comani. The Comani, though Assyrian subjects, had lent assistance to the people of Musr, and it was to punish this insolence that Tiglath-Pileser resolved to invade their terri-

<sup>13</sup> Circesium is identified by Mr. Fox Talbot with the Assyrian *Sirki*, which was apparently in this position. (*Assyrian Texts*, p. 31.)

<sup>14</sup> See *Biblical Dictionary*, vol. i. p. 278. In the Syriac version of the Old Testa-

ment, Carchemish is translated, or rather replaced, by Mabog.

<sup>15</sup> *Inscription*, p. 46.

<sup>16</sup> So Mr. Fox Talbot (*Inscription*, p. 48).

tory. Having defeated their main army, consisting of 20,000 men, he proceeded to the attack of the various castles and towns, some of which were stormed, while others surrendered at discretion. In both cases alike the fortifications were broken down and destroyed, the cities which surrendered being spared, while those taken by storm were burnt with fire. Ere long the whole of the "far-spreading country of the Comani" was reduced to subjection, and a tribute was imposed exceeding that which had previously been required from the people.<sup>1</sup>

After this account of the fifth campaign, the whole result of the wars is thus briefly summed up:—"There fell into my hands altogether, between the commencement of my reign and my fifth year, forty-two countries with their kings, from the banks of the river Zab to the banks of the river Euphrates, the country of the Khatti, and the upper ocean of the setting sun. I brought them under one government; I took hostages from them; and I imposed on them tribute and offerings."<sup>2</sup>

From describing his military achievements, the monarch turns to an account of his exploits in the chase. In the country of the Hittites he boasts that he had slain "four wild bulls, strong and fierce," with his arrows; while in the neighbourhood of Harran, on the banks of the river Khabour, he had killed ten large wild buffaloes (?), and taken four alive.<sup>3</sup> These captured animals he had carried with him on his return to Asshur, his capital city, together with the horns and skins of the slain beasts. The lions which he had destroyed in his various journeys he estimates at 920. All these successes he ascribes to the powerful protection of Nin and Nergal.<sup>4</sup>

The royal historiographer proceeds, after this, to give an account of his domestic administration, of the buildings which he had erected, and the various improvements which he had introduced. Among the former he mentions temples to Ishtar, Martu, Bel, Il or Ra, and the presiding deities of the city of Asshur, palaces for his own use, and castles for the protection of his territory. Among the latter he enumerates the construction

<sup>1</sup> *Inscription*, &c., pp. 48-52.

<sup>2</sup> See above, vol. i. p. 514, note 2.

<sup>3</sup> *Ibid.* pp. 52-54.

<sup>4</sup> *Inscription*, pp. 4-56.

of works of irrigation, the introduction into Assyria of foreign cattle and of numerous beasts of chase, the naturalization of foreign vegetable products, the multiplication of chariots, the extension of the territory, and the augmentation of the population of the country.<sup>5</sup>

A more particular account is then given of the restoration by the monarch of two very ancient and venerable temples in the great city of Asshur. This account is preceded by a formal statement of the particulars of the monarch's descent from Nin-pala-zira,<sup>6</sup> the king who seems to be regarded as the founder of the dynasty — which breaks the thread of the narrative somewhat strangely and awkwardly. Perhaps the occasion of its introduction was, in the mind of the writer, the necessary mention, in connection with one of the two temples, of Asshur-dayan, the great-grandfather of the monarch. It appears that in the reign of Asshur-dayan, this temple, which, having stood for 641 years, was in a very ruinous condition, had been taken down, while no fresh building had been raised in its room. The site remained vacant for sixty years, till Tiglath-Pileser, having lately ascended the throne, determined to erect on the spot a new temple to the old gods, who were Anu and Vul, probably the tutelary deities of the city. His own account of the circumstances of the building and dedication is as follows:—

"In the beginning of my reign, Anu and Vul, the great gods, my lords, guardians of my steps, gave me a command to repair

<sup>5</sup> *Inscription*, pp. 56-60.

<sup>6</sup> The most important points of the statement have been quoted in the earlier portion of this chapter, but as the reader may wish to see the entire passage as it stands in the original document, it is here appended:—

"Tiglath-Pileser, the illustrious prince, whom Asshur and Nin have exalted to the utmost wishes of his heart; who has pursued after the enemies of Asshur, and has subjugated all the earth—

"The son of Asshur-ris-ilim, the powerful king, the subduer of rebellious countries, he who has reduced all the accursed (?)—

"The grandson of Mutaggil-Nebo,

whom Asshur, the Great Lord, aided according to the wishes of his heart, and established in strength in the government of Assyria—

"The glorious offspring of Asshur-dayan, who held the sceptre of dominion, and ruled over the people of Bel; who in all the works of his hands and the deeds of his life placed his reliance on the great gods, and thus obtained a long and prosperous life—

"The beloved child of Nin-pala-zira, the king who organized the country of Assyria, who purged his territories of the wicked, and established the troops of Assyria in authority." (*Inscription*, pp. 60-62.)

this their shrine. So I made bricks; I levelled the earth; I took its dimensions (?); I laid down its foundations upon a mass of strong rock. This place, throughout its whole extent, I paved with bricks in set order (?); fifty feet deep I prepared the ground; and upon this substructure I laid the lower foundations of the temple of Anu and Vul. From its foundations to its roof I built it up better than it was before. I also built two lofty towers (?) in honour of their noble godships, and the holy place, a spacious hall, I consecrated for the convenience of their worshippers, and to accommodate their votaries, who were numerous as the stars of heaven. I repaired, and built, and completed my work. Outside the temple I fashioned everything with the same care as inside. The mound of earth on which it was built I enlarged like the firmament of the rising stars (?), and I beautified the entire building. Its towers I raised up to heaven, and its roofs I built entirely of brick. An inviolable shrine (?) for their noble godships I laid down near at hand. Anu and Vul, the great gods, I glorified inside the shrine. I set them up in their honoured purity, and the hearts of their noble godships I delighted."<sup>7</sup>

The other restoration mentioned is that of a temple to Vul only, which, like that to Anu and Vul conjointly, had been originally built by Shamas-Vul, the son of Ismi-Dagon. This building had likewise fallen into decay, but had not been taken down like the other. Tiglath-Pileser states that he "levelled its site," and then rebuilt it "from its foundations to its roofs," enlarging it beyond its former limits, and adorning it. Inside of it he "sacrificed precious victims to his lord, Vul." He also deposited in the temple a number of rare stones or marbles, which he had obtained in the country of the Naïri in the course of his expeditions.<sup>8</sup>

The inscription then terminates with the following long invocation:—

"Since a holy place, a noble hall, I have thus consecrated for the use of the Great Gods, my lords Anu and Vul, and have laid down an adytum for their special worship, and have finished it

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<sup>7</sup> *Inscription*, pp. 64-66.

<sup>8</sup> *Ibid.* p. 66.

successfully, and have delighted the hearts of their noble godships, may Anu and Vul preserve me in power! May they support the men of my government! May they establish the authority of my officers! May they bring the rain, the joy of the year, on the cultivated land and the desert, during my time! In war and in battle may they preserve me victorious! Many foreign countries, turbulent nations, and hostile kings I have reduced under my yoke: to my children and my descendants, may they keep them in firm allegiance! I will lead my steps" (or, "may they establish my feet"), "firm as the mountains, to the last days, before Asshur and their noble godships!

"The list of my victories and the catalogue of my triumphs over foreigners hostile to Asshur, which Anu and Vul have granted to my arms, I have inscribed on my tablets and cylinders, and I have placed, [to remain] to the last days, in the temple of my lords, Anu and Vul. And I have made clean (?) the tablets of Shamus-Vul, my ancestor; I have made sacrifices, and sacrificed victims before them, and have set them up in their places. In after times, and in the latter days . . . if the temple of the Great Gods, my lords Anu and Vul, and these shrines should become old and fall into decay, may the Prince who comes after me repair the ruins! May he raise altars and sacrifice victims before my tablets and cylinders, and may he set them up again in their places, and may he inscribe his name on them together with my name! As Anu and Vul, the Great Gods, have ordained, may he worship honestly with a good heart and full trust!

"Whoever shall abrade or injure my tablets and cylinders, or shall moisten them with water, or scorch them with fire, or expose them to the air, or in the holy place of God shall assign them a place where they cannot be seen or understood, or shall erase the writing and inscribe his own name, or shall divide the sculptures (?) and break them off from my tablets, may Anu and Vul, the Great Gods, my lords, consign his name to perdition! May they curse him with an irrevocable curse! May they cause his sovereignty to perish! May they pluck out the stability of the throne of his empire! Let not his offspring survive him in the kingdom! Let his servants be broken! Let his troops be

defeated! Let him fly vanquished before his enemies! May Vul in his fury tear up the produce of his land! May a scarcity of food and of the necessities of life afflict his country! For one day may he not be called happy! May his name and his race perish!"<sup>1</sup>

The document is then dated — "In the month Kuzalla (Chisleu), on the 29th day, in the year presided over by Ina-iliya-pallik, the Rabbi-Turi."<sup>2</sup>

Perhaps the most striking feature of this inscription, when it is compared with other historical documents of the same kind belonging to other ages and nations, is its intensely religious character. The long and solemn invocation of the Great Gods with which it opens, the distinct ascription to their assistance and guardianship of the whole series of royal successes, whether in war or in the chase; the pervading idea that the wars were undertaken for the chastisement of the enemies of Asshur, and that their result was the establishment in an ever-widening circle of the worship of Asshur; the careful account which is given of the erection and renovation of temples, and the dedication of offerings; and the striking final prayer — all these are so many proofs of the prominent place which religion held in the thoughts of the king who set up the inscription, and may fairly be accepted as indications of the general tone and temper of his people.<sup>3</sup> It is evident that we have here displayed to us, not a decent lip-service, not a conventional piety, but a real, hearty earnest religious faith — a faith bordering on fanaticism — a spirit akin to that with which the Jews were possessed in their warfare with the nations of Canaan, or which the soldiers of Mahomet breathed forth when they fleshed their maiden swords upon the infidels. The king glorifies himself much; but he glorifies the gods more. He fights, in part, for his own credit, and for the extension of his territory; but he fights also for the honour of the gods, whom the surrounding nations reject, and for the diffusion of their worship far and wide throughout all known regions. His wars are religious wars, at least as much as wars

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<sup>1</sup> *Inscription*. pp. 64–72.

<sup>2</sup> *Ibid.* p. 72.

<sup>3</sup> See above, vol. i. pp. 239–241.

of conquest; his buildings, or, at any rate, those on whose construction he dwells with most complacency, are religious buildings; the whole tone of his mind is deeply and sincerely religious; besides formal acknowledgments, he is continually letting drop little expressions which show that his gods are "in all his thoughts,"<sup>4</sup> and represent to him real powers governing and directing all the various circumstances of human life. The religious spirit displayed is, as might have been expected, in the highest degree exclusive and intolerant; but it is earnest, constant, and all-pervading.

In the next place, we cannot fail to be struck with the energetic character of the monarch, so different from the temper which Ctesias ascribes, in the broadest and most sweeping terms, to all the successors of Ninus.<sup>5</sup> Within the first five years of his reign the indefatigable prince conducts in person expeditions into almost every country upon his borders; attacks and reduces six important nations,<sup>6</sup> besides numerous petty tribes;<sup>7</sup> receiving the submission of forty-two kings;<sup>8</sup> traversing the most

<sup>4</sup> *e. g.*, even when bent on glorifying himself, the monarch is still "the illustrious chief, who, *under the auspices of the Sun God, rules over the people of Bell*" (*Inscription*, p. 20), and "whose servants *Asshur has appointed to the government of the four regions*" (*ibid.*); if his enemies fly, "the *fear of Asshur has overwhelmed them*" (pp. 28, 36, &c.); if they refuse tribute, they "withhold the *offerings due to Asshur*" (p. 24); if the king himself feels inclined to make an expedition against a country, "his lord, *Asshur, invites him*" to proceed thither (pp. 34, 42, 48); if he collects an army, "*Asshur has committed the troops to his hand*" (p. 32). When a country not previously subject to Assyria is attacked, it is because the people "do not *acknowledge Asshur*" (p. 38); when its plunder is carried off, it is to adorn and enrich the temples of Asshur and the other gods (p. 40); when it yields, the first thing is to "*attach it to the worship of Asshur*" (pp. 38, 40, &c.). The king hunts "under the auspices of Nin and Ner-

gal" (p. 54), or of "Nin and Asshur" (p. 58); he puts his tablets under the protection of Anu and Vul (p. 68); he ascribes the long life of one ancestor to his eminent piety (p. 62), and the prosperity of another to the protection which Asshur vouchsafed him (p. 60). The name of Asshur occurs in the inscription nearly forty times, or almost once in each paragraph. The sun-god, Shamas, the deities Anu, Vul, and Bel, are mentioned repeatedly. Acknowledgment is also made of Sin, the moon-god, of Nin, Nergal, Ishtar, Beltis, Martu, and Il or Ra. And all this is in an inscription which is not dedicatory, but historical!

<sup>5</sup> *Ap. Diod. Sic. ii. 19.*

<sup>6</sup> The Moschi, the people of Comagéné, the Naïri, the Aramæans, the people of Muzr, and the Comani.

<sup>7</sup> As the Kaski and Urumi, tribes of the Hittites, the people of Adavas, Tsaravas, Itsua, Daria, Muraddan, Khanni-rabbi, Miltis, or Meliténé, Dayan, &c.

<sup>8</sup> *Inscription of Tiglath-Pileser I., p. 52.*



difficult mountain regions; defeating armies, besieging towns, destroying forts and strongholds, ravaging territories; never allowing himself a moment of repose; when he is not engaged in military operations, devoting himself to the chase, contending with the wild bull and the lion, proving himself (like the first Mesopotamian king) in very deed "a mighty hunter,"<sup>9</sup> since he counts his victims by hundreds;<sup>10</sup> and all the while having regard also to the material welfare of his country, adorning it with buildings, enriching it with the products of other lands, both animal and vegetable, fertilizing it by means of works of irrigation, and in every way "improving the condition of the people, and obtaining for them abundance and security."<sup>11</sup>

With respect to the general condition of Assyria, it may be noted, in the first place, that the capital is still Asshur, and that no mention is made of any other native city.<sup>1</sup> The king calls himself "king of the four regions,"<sup>2</sup> which would seem to imply a division of the territory into districts, like that which certainly obtained in later times.<sup>3</sup> The mention of "*four*" districts is curious, since the same number was from the first affected by the Chaldæans,<sup>4</sup> while we have also evidence that, at least after the time of Sargon, there was a pre-eminence of four great cities in Assyria.<sup>5</sup> The limits of the territory at the time of the Inscription are not very clearly marked; but they do not seem to extend beyond the outer ranges<sup>6</sup> of Zagros on the east, Niphates on the north, and the Euphrates upon the west. The southern boundary at the time was probably the commencement of the alluvium; but this cannot be gathered from the Inscription, which contains no notice of any expedition in the direction

<sup>9</sup> Gen. x. 9.

<sup>10</sup> See above, p. 68.

<sup>11</sup> *Inscription*, p. 60.

<sup>1</sup> The existence of "great fortified cities throughout the dominions of the king" is mentioned (p. 58), but none is named except Asshur.

<sup>2</sup> *Inscription*, p. 20. And a little further on he is "the exalted sovereign whose servants Asshur has appointed to the government of the country of the four regions." What the four regions were we can only conjecture. Perhaps

they were, 1, the country east of the Tigris; 2, that between the Tigris and the Khabour; 3, that between the Khabour and the Euphrates; and, 4, the mountain region upon the upper Tigris north of the Mesopotamian plain.

<sup>3</sup> See above, vol. i. p. 193.

<sup>4</sup> *Ibid.* p. 14.

<sup>5</sup> *Ibid.* p. 198.

<sup>6</sup> *i. e.* the more westerly ranges. When the monarch crosses the Lower Zab, he is immediately in a hostile country. (*Inscription*, p. 38.)

of Babylonia. The internal condition of Assyria is evidently flourishing. Wealth flows in from the plunder of the neighbouring countries; labour is cheapened by the introduction of enslaved captives;<sup>7</sup> irrigation is cared for; new fruits and animals are introduced; fortifications are repaired, palaces renovated, and temples beautified or rebuilt.

The countries adjoining upon Assyria on the west, the north, and the east, in which are carried on the wars of the period, present indications of great political weakness. They are divided up among a vast number of peoples, nations, and tribes, whereof the most powerful is only able to bring into the field a force of 20,000 men.<sup>8</sup> The peoples and nations possess but little unity. Each consists of various separate communities, ruled by their own kings, who in war unite their troops against the common enemy; but are so jealous of each other, that they do not seem even to appoint a generalissimo. On the Euphrates, between Hit and Carchemish, are, first, the Tsukhi or Shuhites, of whom no particulars are given; and, next, the Aramæans or Syrians, who occupy both banks of the river, and possess a number of cities, no one of which is of much strength. Above the Aramæans are the Khatti or Hittites, whose chief city, Carchemish, is an important place; they are divided into tribes, and, like the Aramæans, occupy both banks of the great stream. North and north-west of their country, probably beyond the mountain-range of Amanus, are the Muskai (Moschi), an aggressive people, who were seeking to extend their territory eastward into the land of the Qummukh or people of Commagêné. These Qummukh hold the mountain country on both sides of the Upper Tigris, and have a number of strongholds, chiefly on the right bank. To the east they adjoin on the Kirkhi, who must have inhabited the skirts of Niphates, while to the south they touch the Naïri, who stretch from Lake Van, along the line of the Tigris, to the tract known as Commagêné to the Romans. The

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<sup>7</sup> Six thousand are enslaved on one occasion (*Inscription*, p. 24; four thousand on another (p. 32). They are not reserved by the monarch for his own

use, but are "given over for a spoil to the people of Assyria."

<sup>8</sup> Only two nations, the Moschi and the Comani, have armies of such strength as this. (*Inscription*, pp. 22 and 48.)

Nāiri have, at the least, twenty-three kings,<sup>9</sup> each of whom governs his own tribe or city. South of the more eastern Nāiri is the country of Muzr — a mountain tract well peopled and full of castles, probably the region about Amadiyeh and Rowandiz. Adjoining Muzr to the east or north-east, are the *Quwanu* or *Comani*,<sup>10</sup> who are among the most powerful of Assyria's neighbours, being able, like the Moschi, to bring into the field an army of 20,000 men. At this time they are close allies of the people of Muzr — finally, across the lower Zab, on the skirts of Zagros, are various petty tribes of small account, who offer but little resistance to the arms of the invader.

Such was the position of Assyria among her neighbours in the latter part of the twelfth century before Christ. She was a compact and powerful kingdom, centralized under a single monarch, and with a single great capital, in the midst of wild tribes which clung to a separate independence, each in its own valley or village. At the approach of a great danger, these tribes might consent to coalesce and to form alliances, or even confederations; but the federal tie, never one of much tenacity, and rarely capable of holding its ground in the presence of monarchic vigour, was here especially weak. After one defeat of their joint forces by the Assyrian troops, the confederates commonly dispersed, each flying to the defence of his own city or territory, with a short-sighted selfishness which deserved and ensured defeat. In one direction only was Assyria confronted by a rival state possessing a power and organization in character not unlike her own, though scarcely of equal strength. On her southern frontier, in the broad flat plain intervening between the Mesopotamian upland and the sea — the kingdom of Babylon was still existing; its Semitic kings, though originally established upon the throne by Assyrian influence,<sup>11</sup> had dissolved all connection with their old protectors, and asserted their thorough

<sup>9</sup> Twenty-three are particularised (*Inscription*, pp. 42-44). But it is not said that there were no others.

<sup>10</sup> The Comani in later times disappeared from these parts; but there are traces of them both in Pontus and in the Lesser Armenia, which was some-

times reckoned to Cappadocia. Each of these districts had a town called Comana, the inhabitants of which were Comani or Comanels. (See Strab. xii. pp. 777 and 793; Ptol. v. 6 and 7; Plin. II. N. vi. 3; Greg. Nyss. *Vit. Thaum.* p. 561.)

<sup>11</sup> *Supra*, p. 59.

independence. Here, then, was a considerable state, as much centralised as Assyria herself, and not greatly inferior either in extent of territory or in population,<sup>1</sup> existing side by side with her, and constituting a species of check, whereby something like a balance of power was still maintained in Western Asia, and Assyria was prevented from feeling herself the absolute mistress of the East, and the uncontrolled arbitress of the world's destinies.

Besides the great cylinder inscription of Tiglath-Pileser I., there exist five more years of his annals in fragments, from which we learn that he continued his aggressive expeditions during this space, chiefly towards the north-west, subduing the Lulumi in Northern Syria, attacking and taking Carchemish, and pursuing the inhabitants across the Euphrates in boats.

No mention is made during this time of any collision between Assyria and her great rival, Babylon. The result of the wars waged by Asshur-ris-ilim against Nebuchadnezzar I.<sup>2</sup> had, apparently, been to produce in the belligerents a feeling of mutual respect; and Tiglath-Pileser, in his earlier years, neither trespassed on the Babylonian territory in his aggressive raids, nor found himself called upon to meet and repel any invasion of his own dominions by his southern neighbours. Before the close of his reign, however, active hostilities broke out between the two powers. Either provoked by some border ravage or actuated simply by lust of conquest, Tiglath-Pileser marched his troops into Babylonia. For two consecutive years he wasted with fire and sword the "upper" or northern provinces, taking the cities of Kurri-Galzu—now Akkerkuf—Sippara of the Sun, and Sippara of Anunit (the Sepharvaim or "two Sipparas" of the Hebrews), and Hupa or Opis, on the Tigris; and finally capturing Babylon itself, which, strong as it was, proved unable to resist the invader. On his return he passed up the valley of the Euphrates, and

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<sup>1</sup> Assyria, within the limits above assigned to it (p. 75), must have contained an area of from 50,000 to 60,000 square miles. Babylonia contained about 25,000. The proportion is nearly that between England and Scotland, the

actual size not being very different. Babylonia, however, was probably more thickly peopled than Assyria; so that the disproportion of the two populations would not be so great.

<sup>2</sup> See above, p. 62.

took several cities from the Tsukhi. But here, it would seem that he suffered a reverse. Merodach-iddin-akhi, his opponent, if he did not actually defeat his army, must, at any rate, have greatly harassed it on its retreat; for he captured an important part of its baggage. Indulging a superstition common in ancient times,<sup>3</sup> Tiglath-Pileser had carried with him in his expedition certain images of gods, whose presence would, it was thought, secure victory to his arms. Merodach-iddin-akhi obtained possession of these idols, and succeeded in carrying them off to Babylon, where they were preserved for more than 400 years, and considered as mementoes of victory.<sup>4</sup>

The latter days of this great Assyrian prince were thus, unhappily, clouded by disaster. Neither he, nor his descendants, nor any Assyrian monarch for four centuries succeeded in recovering the lost idols, and replacing them in the shrines from which they were taken. A hostile and jealous spirit appears henceforth in the relations between Assyria and Babylon; we find no more intermarriages of the one royal house with the other; wars are frequent—almost constant—nearly every Assyrian monarch, whose history is known to us in any detail, conducting at least one expedition into Babylonia.

A work still remains, belonging to the reign of this king, from which it appears that the peculiar character of Assyrian mimetic art was already fixed in his time, the style of representation being exactly such as prevailed at the most flourishing period, and the workmanship, apparently, not very inferior. In a cavern from which the Tsupnat river or eastern branch of the Tigris

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<sup>3</sup> It was a feeling of this kind which induced the Israelites to send and fetch the ark of the covenant to their camp when they were contending with the Philistines (1 Sam. iv. 4), and which made the Spartans always take with them to battle one or both of two images (or rather symbols) of the Tyndarids, Castor and Pollux (Herod. v. 75). So when the Bœotians asked aid from the Eginetans, these last sent them certain images of the Æacidæ (Herod. v. 80); and the United Greeks set so high a value on the presence of these same

images that they sent expressly to fetch them when they were about to engage the Persian fleet at Salamis (Herod. viii. 64 and 83). Compare Strab. viii. p. 558, and Macrob. *Sat.* i. 23.

<sup>4</sup> The chief authority for this war is the "Synchronistic Tablet" already frequently quoted. The capture of the images is not mentioned on that tablet, but is taken from a rock-inscription of Sennacherib's at Bavian near Khorsabad. The idols are said to have been captured at the city of *Hekalin*, which is thought to have been near Tekrit.

riser, close to a village called Korkhar, and about fifty or sixty miles north of Diarbekr, is a bas-relief sculptured on the natural rock, which has been smoothed for the purpose, consisting of a figure of the king in his sacerdotal dress with the right arm extended and the left hand grasping the sacrificial mace,<sup>5</sup> accompanied by an inscription which is read as follows:—“By the grace of Asshur, Shamas, and Vul, the Great Gods, I, Tiglath-Pileser, king of Assyria, son of Asshur-ris-ilim, king of Assyria, who was the son of Mutaggil-Nebo, king of Assyria, marching from the great sea of Akhiri” (the Mediterranean) “to the sea of Naïri” (Lake of Van), “for the third time have invaded the country of Naïri.”<sup>6</sup>



The fact of his having warred in Lower Mesopotamia is almost the whole that is known of Tiglath-Pileser's son and successor, Asshur-bil-kala. A contest in which he was engaged with the Babylonian prince, Merodach-shapik-ziri (who seems to have been the successor of Merodach-iddin-akhi), is recorded on the famous synchronistic tablet, in conjunction with the Babylonian wars of his father and grandfather; but the tablet is so injured in this place that no particulars can be gathered from it. From a monument of Asshur-bel-kala's own time—one of the earliest Assyrian sculptures that has come down to us—we may perhaps further conclude that he inherited something of the religious

Figure of Tiglath-Pileser I. (From a rock tablet near Korkhar.)

<sup>5</sup> The above woodcut is made from a very rough drawing sent to England by the explorer, who is not a skilled draughtsman; and it must therefore be regarded as giving a mere general notion of the bas-relief.

<sup>6</sup> This monument, the earliest Assyrian sculpture which is known to exist, is mentioned by Asshur-izir-pal, the father of the Black-Obelisk king, in

his great Inscription; and it was mainly in consequence of this mention that Mr. John Taylor, being requested by Sir H. Rawlinson to explore the sources of the Tigris, discovered, in 1862, the actual tablet, a circumstance which may serve to clear away any lingering doubts that still exist in any quarters as to the actual decipherment of the Assyrian inscriptions.

spirit of his father, and gave a portion of his attention to the adornment of temples, and the setting up of images.<sup>7</sup>

The probable date of the reign of Asshur-bil-kala is about B.C. 1110-1090. He appears to have been succeeded on the throne by his younger brother, Shamas-Vul, of whom nothing is known, but that he built, or repaired, a temple at Nineveh. His reign probably occupied the interval between B.C. 1090 and 1070. He would thus seem to have been contemporary with *Smendes* in Egypt and with Samuel or Saul in Israel.<sup>8</sup> So apparently insignificant an event as the establishment of a kingdom in Palestine was not likely to disturb the thoughts, even if it came to the knowledge, of an Assyrian monarch. Shamas-Vul would no doubt have regarded with utter contempt the petty sovereign of so small a territory as Palestine, and would have looked upon the new kingdom as scarcely more worthy of his notice than any other of the ten thousand little principalities which lay on or near his borders. Could he, however, have possessed for a few moments the prophetic foresight vouchsafed some centuries earlier to one who may almost be called his countryman,<sup>9</sup> he would have been astonished to recognise in the humble kingdom just lifting its head in the far West, and struggling to hold its own against Philistine cruelty and oppression,<sup>10</sup> a power which in little more than fifty years would stand forth before the world as the equal, if not the superior, of his own state. The imperial splendour of the kingdom of David and Solomon did, in fact, eclipse for a while the more ancient glories of Assyria.<sup>11</sup> It is a notable circumstance

<sup>7</sup> A mutilated female figure, which is thought to be an image of the goddess Ishtar or Astarte, discovered by Mr. Loftus at Koyunjik, and now in the British Museum, bears a dedicatory inscription, almost illegible, from which it appears to have been set up by Asshur-bil-kala, the son of Tiglath-Pileser I. and grandson of Asshur-ris-ilim. (See below, p. 94, note <sup>6</sup>.)

<sup>8</sup> According to the ordinary Biblical chronology, Saul's accession fell about the year B.C. 1096. Samuel's judgeship, which immediately preceded this, is

placed between B.C. 1128 and B.C. 1096. (See Clinton. *F. H.* vol. 1. p. 320, and compare Palmer, *Egyptian Chronicles*, vol. ii. p. 899.) The Assyrian chronology tends to lower these dates by the space of about forty years.

<sup>9</sup> Pethor, where Balaam lived, was on the left bank of the Euphrates, in Aram-Naharaim or Mesopotamia. (Deut. xxiii. 4; compare Num. xxii. 5 and xxiii. 7.)

<sup>10</sup> 1 Sam. xiii. and xiv.

<sup>11</sup> The true character of the Jewish kingdom of David and Solomon as one of the Great Oriental Empires, on a par

that, exactly at the time when a great and powerful monarchy grew up in the tract between Egypt and the Euphrates, Assyria passed under a cloud. The history of the country is almost a blank for two centuries between the reigns of Shamas-Vul and the second Tiglath-Nin, whose accession is fixed by the Assyrian Canon to B.C. 889. During more than three-fourths of this time, from about B.C. 1070 to B.C. 930, the very names of the monarchs are almost wholly unknown to us.<sup>12</sup> It seems as if there was not room in Western Asia for two first-class monarchies to exist and flourish at the same time; and so, although there was no contention, or even contact, between the two empires of Judæa and Assyria,<sup>13</sup> yet the rise of the one to greatness could only take place under the condition of a coincident weakness of the other.

It is very remarkable that exactly in this interval of darkness, when Assyria would seem, from the failure both of buildings and records, to have been especially and exceptionally weak,<sup>14</sup> occurs

with Chaldæa and Assyria, and only less celebrated than the others from the accident of its being short-lived, has rarely been seized by historians. Milman indeed parallels the architectural glories of Solomon with those of the "older monarchs of Egypt and Assyria" (*History of the Jews*, vol. i. p. 261, 1st edition), and Ewald has one or two similar expressions; but neither writer appears to recognise the real greatness of the Hebrew kingdom. It remained for Dean Stanley, with his greater power of realising the past, to see that David, upon the completion of his conquests, "became a king on the scale of the great Oriental Sovereigns of Egypt and Persia," founding "an imperial dominion," and placing himself "on a level with the great potentates of the world," as, for instance, "Rameses or Cyrus." (Stanley in Smith's *Bibl. Dict.* art. DAVID, vol. i. p. 408.)

<sup>12</sup> The single name of Asshur-mazur, which has been assigned to this period (supra, p. 49), is recovered from an inscription of Shalmaneser II., the Black-Obelisk king, who speaks of certain cities on the right bank of the Euphrates as having been taken from Asshur-Mazur

by the Aramæans, who had defeated him in battle.

<sup>13</sup> The "Syrians that were beyond the river," who came to the assistance of the Ammonites in their war with David (2 Sam. x. 16), may possibly have been subjects or rather tributaries of Assyria (and in this sense is perhaps to be understood Ps. lxxxiii. 8); but the Assyrian empire itself evidently took no part in the struggle. The Assyrian monarchs at this time seem to have claimed no sovereignty beyond the Euphrates, while David and Solomon were content to push their conquests up to that river.

<sup>14</sup> Perhaps the true cause of Assyria's weakness at this time was that her star now paled before that of Babylon. The story told by Macrobius (*Sat.* i. 23) of communications between an Egyptian king, Senemur, or Senepos, and a certain Deleboras, or Deboras, whom he calls an Assyrian monarch, belongs probably to this period. Deboras was most likely a Babylonian, since he was lord of the Mesopotamian Heliopolis, which was Tsipar, or Sippara. It is suspected that he may be the Tsibir who, according to Asshur-izir-pal (infra, p. 86), de-



the first appearance of her having extended her influence beyond Syria into the great and ancient monarchy of Egypt. In the twenty-second Egyptian dynasty, which began with Sheshonk I., or Shishak, the contemporary of Solomon, about B.C. 990, Assyrian names appear for the first time in the Egyptian dynastic lists. It has been supposed from this circumstance that the entire twenty-second dynasty, together with that which succeeded it, was Assyrian; but the condition of Assyria at the time renders such a hypothesis most improbable. The true explanation would seem to be that the Egyptian kings of this period sometimes married Assyrian wives, who naturally gave Assyrian names to some of their children. These wives were perhaps members of the Assyrian royal family; or perhaps they were the daughters of the Assyrian nobles who from time to time were appointed as viceroys of the towns and small states which the Ninevite monarchs conquered on the skirts of their empire. Either of these suppositions is more probable than the establishment in Egypt of a dynasty really Assyrian at a time of extraordinary weakness and depression.

When, at the close of this long period of obscurity, Assyria once more comes into sight, we have at first only a dim and indistinct view of her through the mists which still enfold and shroud her form. We observe that her capital is still fixed at Kileh-Sherghat, where a new series of kings, bearing names which, for the most part, resemble those of the earlier period, are found employing themselves in the repair and enlargement of public buildings, in connection with which they obtain honourable mention in an inscription of a later monarch. Asshur-dayan, the first monarch of this group, probably ascended the throne about B.C. 930, shortly after the separation of the two kingdoms of Israel and Judah. He appears to have reigned from about B.C. 930 to B.C. 911. He was succeeded in B.C. 911 by his son,<sup>1</sup> Vul-lush II., who held the throne from B.C. 911 to B.C. 889.

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stroyed a city named Atill, on the confines of Assyria. At any rate the very existence of communications between Babylon and Egypt would imply that

Assyria was not at the time the great Mesopotamian power.

This relationship is established by the great inscription of Asahur-izir-pal. (*British Museum Series*, Pls. 17 to 26.)

Nothing is known at present of the history of these two monarchs. No historical inscriptions belonging to their reigns have been recovered; no exploits are recorded of them in the inscriptions of later sovereigns.<sup>2</sup> They stand up before us the mere "shadows of mighty names"—proofs of the uncertainty of posthumous fame, which is almost as often the award of chance as the deserved recompense of superior merit.

Of Tiglathi-Nin, the second monarch of the name, and the third king of the group which we are considering, one important historical notice, contained in an inscription of his son, has come down to us. In the annals of the great Asshur-izir-pal inscribed on the Nimrud monolith, that prince, while commemorating his warlike exploits, informs us that he set up his sculptures at the sources of the Tsupnat river alongside of sculptures previously set up by his ancestors Tiglath-Pileser and Tiglathi-Nin.<sup>3</sup> That Tiglathi-Nin should have made so distant an expedition is the more remarkable from the brevity of his reign, which only lasted for six years. According to the Canon, he ascended the throne in the year B.C. 889; he was succeeded in B.C. 883 by his son Asshur-izir-pal.

With Asshur-izir-pal commences one of the most flourishing periods of the Empire. During the twenty-five years of his active and laborious reign, Assyria enlarged her bounds and increased her influence in almost every direction, while, at the same time, she advanced rapidly in wealth and in the arts; in the latter respect leaping suddenly to an eminence which (so far as we know) had not previously been reached by human genius. The size and magnificence of Asshur-izir-pal's buildings, the artistic excellence of their ornamentation, the pomp and splendour which they set before us as familiar to the king who raised them, the skill in various useful arts which they display

<sup>2</sup> There is some reason to believe that Vul-lush II. was a monarch of energy and character. The fact that several copies of the Canon commence with his reign, shows that it constituted a sort of era. The mention, too, of this Vul-lush by the third king of the name among his picked ancestors is indicative of his reputation as a great monarch.

<sup>3</sup> Asshur-izir-pal, it will be observed, does not call this Tiglathi-Nin his father; and it is therefore possible that the former Tiglathi-Nin may be intended (see above, p. 59). But as Tiglathi-Nin is mentioned after Tiglath-Pileser, it would rather seem that he was a later monarch.

or imply, have excited the admiration of Europe, which has seen with astonishment that many of its inventions were anticipated, and that its luxury was almost equalled, by an Asiatic people nine centuries before the Christian era. It will be our pleasing task at this point of the history, after briefly sketching Asshur-izir-pal's wars, to give such an account of the great works which he constructed as will convey to the reader at least a general idea of the civilization and refinement of the Assyrians at the period to which we are now come.

Asshur-izir-pal's first campaign was in north-western Kurdistan and in the adjoining parts of Armenia. It does not present any very remarkable features, though he claims to have penetrated to a region "never approached by the kings his fathers." His enemies are the Numi or Elami<sup>4</sup> (*i.e.* the mountaineers), and the Kirkhi, who seem to have left their name in the modern Kurkh.<sup>5</sup> Neither people appears to have been able to make much head against him; no battle was fought; the natives merely sought to defend their fortified places; but these were mostly taken and destroyed by the invader. One chief, who was made prisoner, received very barbarous treatment; he was carried to Arbela, and there flayed and hung up upon the town wall.

The second expedition of Asshur-izir-pal, which took place in the same year as his first, was directed against the regions to the west and north-west of Assyria. Traversing the country of Qummukh,<sup>1</sup> and receiving its tribute, as well as that of Serki<sup>2</sup> and Sidikan (Arban<sup>3</sup>), he advanced against the Laki, who seem

<sup>4</sup> It has been supposed that the Numi of this passage are the same as those of many later inscriptions, and represent the Susianians or Elamites. (See Mr. Layard's *Nineveh and Babylon*, p. 353.) But the entire series of geographical names disproves this, and fixes the locality of the campaign to north-western Kurdistan and southern Armenia. The terms Numi and Elami, meaning simply "mountaineers" (compare Heb. נָזַר, נָזָר, and the like), would naturally be applied to many quite distinct tribes.

<sup>5</sup> The name of *Kurkh* is given by the natives to some important ruins on the right bank of the Tigris, about twenty

miles below Diarbekr. These ruins cover a raised platform, six miles in circumference, crowned towards the south-east corner by a lofty mound, about 180 feet high. Some important Assyrian remains have been found on the site, which are now in the British Museum.

Kurkh is probably the Carathiocerta of the classical writers. (Strab. xi. p. 766; Plin. *H. N.* vi. 9.) It is believed to be the same city as the *Tuskha* of the Assyrian inscriptions.

<sup>1</sup> Supra, p. 64, note <sup>3</sup>.

<sup>2</sup> Circesium, according to Mr. Fox Talbot. (*Assyrian Texts*, p. 31.)

<sup>3</sup> See above, vol. i. pp. 187 and 205.

to have been at this time the chief people of Central Mesopotamia, extending from the vicinity of Hatra as far as, or even beyond, the middle Euphrates. Here the people of a city called Assura had rebelled, murdered their governor, and called in a foreigner to rule over them. Asshur-izir-pal marched hastily against the rebels, who submitted at his approach, delivering up to his mercy both their city and their new king. The latter he bound with fetters and carried with him to Nineveh; the former he treated with almost unexampled severity.<sup>4</sup> Having first plundered the whole place, he gave up the houses of the chief men to his own officers, established an Assyrian governor in the palace, and then, selecting from the inhabitants the most guilty, he crucified some, burnt others, and punished the remainder by cutting off their ears or their noses. We can feel no surprise when we are informed that, while he was thus "arranging" these matters, the remaining kings of the Laki submissively sent in their tribute to the conqueror, paying it with apparent cheerfulness, though it was "a heavy and much increased burthen."

In his third expedition, which was in his second year, Asshur-izir-pal turned his arms to the north, and marched towards the Upper Tigris, where he forced the kings of the Naïri, who had, it appears, regained their independence, to give in their submission, and appointed them an annual tribute in gold, silver, horses, cattle, and other commodities. It was in the course of this expedition that, having ascended to the sources of the Tsupnat river, or Eastern Tigris,<sup>5</sup> Asshur-izir-pal set up his

<sup>4</sup> The only parallel to this severity which the Inscriptions offer is furnished by Asshur-izir-pal himself in his account of an expedition undertaken in the next year, where, on taking a revolted city (Tela), he tells us, "their men, young and old, I took prisoners. Of some I cut off the feet and hands; of others I cut off the noses, ears, and lips; of the young men's ears I made a heap; of the old men's heads I built a minaret. I exposed their heads as a trophy in front of their city. The male children and the female children I burnt in the flames. The city I de-

stroyed, and consumed, and burnt with fire." (*Inscription*, col. i. ad fin.)

<sup>5</sup> The Tsupnat or Tsupna is now called the *Tsebeneh* — a slight corruption of the original appellation. It is probably the native term from which the Greeks and Romans formed the name *Sophéné*, whereby they designated the entire region between the Mons Masius and the Upper Euphrates. (See Strab. xi. p. 766; Plin. *H. N.* vi. 27; D. Cass. xxxvi. 36; Plut. *Vit. Lucull.* c. 24; Procop. *De. Æd.* iii. 2, &c.) Mr. John Taylor has recently explored this region, and finds that the Tsupnat has an under-

memorial side by side with monuments previously erected on the same site by Tiglath-Pileser and by the first or second Tiglathi-Nin.<sup>6</sup>

Asshur-izir-pal's fourth campaign was towards the south-east. He crossed the lesser Zab, and, entering the Zagros range, carried fire and sword through its fruitful valleys — pushing his arms further than any of his ancestors, capturing some scores of towns, and accepting or extorting tribute from a dozen petty kings. The furthest extent of his march was probably the district of Zohab across the Shirwan branch of the Diyaleh, to which he gives the name of Edisa.<sup>1</sup> On his return he built, or rather rebuilt, a city, which a Babylonian king called Tsibir had destroyed at a remote period, and gave to his new foundation the name of Dur-Asshur, in grateful acknowledgment of the protection vouchsafed him by "the chief of the gods."

In his fifth campaign the warlike monarch once more directed his steps towards the north. Passing through the country of the Qummukh, and receiving their tribute, he proceeded to war in the eastern portion of the Mons Masius, where he took the cities of Matyat (now Mediyat) and Kapranisa. He then appears to have crossed the Tigris and warred on the flanks of Niphates, where his chief enemy was the people of Kasiyara. Returning thence, he entered the territory of the Naïri, where he declares that he overthrew and destroyed 250 strong walled cities, and put to death a considerable number of the princes.

The sixth campaign of Asshur-izir-pal was in a westerly direction. Starting from Calah or Nimrud, he crossed the

ground course of a considerable length through a cavern, which seems to be the fact exaggerated by Pliny (l. s. c.) into a passage of the Tigris underneath Mount Taurus. The Arab geographer, Yacut, gives an account far nearer the truth, making the Tigris flow from a dark cave near Hilluras (Ἰαλῦρας of Procopius). It thus appears that both the Arabians and the Romans regarded the Tsupnat as the true Tigris, which is incorrect, as the stream that flows down from Lake Göljik is decidedly the main river. In the cave above mentioned Mr. Taylor found two of the

three memorials mentioned by Asshur-izir-pal. These were his own and Tiglath-Pileser's. The third had probably been destroyed by the falling in of a part of the cave.

<sup>6</sup> Supra, pp. 79, 83.

<sup>1</sup> Ptolemy calls the Diyaleh the Gorgus, Γόργος (vi. 1.), which is an Arian equivalent of the Semitic Edisa; for *edus* in Arabic is the same as *gurg* in Persian, meaning "a wolf or hyæna." Compare the name Δύκος given to the Zab, which had almost the same meaning. (Heb. דָּמָי.)

Tigris, and, marching through the middle of Mesopotamia a little to the north of the Sinjar range, took tribute from a number of subject towns along the courses of the rivers Jeruġer,<sup>2</sup> Khabour, and Euphrates, among which the 'most important were Sidikan (now Arban), Sirki, and Anat (now Anah). From Anat, apparently his frontier-town in this direction, he invaded the country of the Tsukhi (Shuhites), captured their city Tsur,<sup>3</sup> and forced them, notwithstanding the assistance which they received from their neighbours the Babylonians,<sup>4</sup> to surrender themselves. He then entered Chaldæa, and chastised the Chaldæans, after which he returned in triumph to his own country.

His seventh campaign was also against the Shuhites. Released from the immediate pressure of his arms, they had rebelled, and had even ventured to invade the Assyrian Empire. The Laki, whose territory adjoined that of the Shuhites towards the north and east, assisted them. The combined army which the allies were able to bring into the field amounted probably to 20,000 men,<sup>5</sup> including a large number of warriors who fought in chariots. Asshur-izir-pal first attacked the cities on the left bank of the Euphrates, which had felt his might on the former occasion; and, having reduced these and punished their rebellion with great severity,<sup>6</sup> he crossed the river on rafts, and fought a battle with the main army of the enemy. In this engagement he was completely victorious, defeating the Tsukhi and their allies with great slaughter, and driving their routed forces headlong into the Euphrates, where great numbers perished by drowning. Six thousand five hundred of the rebels fell in the battle; and the entire country on the right bank of

<sup>2</sup> This river, the Hermas of the Arabians, appears in Asshur-izir-pal's inscriptions under the name of *Khar-mesh*.

<sup>3</sup> Tsur, Tyre, may perhaps be cognate to the Hebrew צור, the original meaning of which is "a rock." The initial sibilant is however rather *ṣ* than *š*.

<sup>4</sup> The Babylonian monarch of the time was Nebo-bal-adan. He was not directly attacked by Asshur-izir-pal;

and hence there is no mention of the war on the synchronistic tablet.

<sup>5</sup> The scribe has accidentally written the number as "6,000," instead of "10,000 or 20,000." Immediately afterwards he states that 6500 of these 6000 were slain in the battle!

<sup>6</sup> Asshur-izir-pal says that he "made a desert" of the banks of the Khabour. Thirty of the chief prisoners were impaled on stakes.

the river, which had escaped invasion in the former campaign, was ravaged furiously with fire and sword by the incensed monarch. The cities and castles were burnt, the males put to the sword, the women, children, and cattle carried off. Two kings of the Laki are mentioned, of whom one escaped, while the other was made prisoner, and conveyed to Assyria by the conqueror. A rate of tribute was then imposed on the land considerably in advance of that to which it had previously been liable. Besides this, to strengthen his hold on the country, the conqueror built two new cities, one on either bank of the Euphrates, naming the city on the left bank after himself, and that on the right bank after the god Asshur. Both of these places were no doubt left well garrisoned with Assyrian soldiers, on whom the conqueror could place entire reliance.

Asshur-izir-pal's eighth campaign was nearly in the same quarter; but its exact scene lay, apparently, somewhat higher up the Euphrates. Hazilu, the king of the Laki, who escaped capture in the preceding expedition, had owed his safety to the refuge given him by the people of Beth-Adina. Asshur-izir-pal, who seems to have regarded their conduct on this occasion as an insult to himself, and was resolved to punish their presumption, made his eighth expedition solely against this bold but weak people. Unable to meet his forces in the field, they shut themselves up in their chief city, Kabrabi (?), which was immediately besieged, and soon taken and burnt by the Assyrians. The country of Beth-Adina, which lay on the left or east bank of the Euphrates, in the vicinity of the modern Balis, was overrun and added to the empire.<sup>7</sup> Two thousand five hundred prisoners were carried off and settled at Calah.

The most interesting of Asshur-izir-pal's campaigns is the ninth, which was against Syria. Having marched across Upper Mesopotamia, and received various tributes upon his way, the

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<sup>7</sup> It may be conjectured that the people of Beth-Adina are "the children of Eden," of whom we have mention in Kings (2 K. xix. 12) and Isaiah (xxxvii. 12), and who in Sennacherib's time inhabited a city called Tel-Asshur. The indications of locality mentioned in these passages, and also those furnished by Ezek. xxvii. 25, suit well with the vicinity of Balis. Tel-Asshur may possibly be the city built by Asshur-izir-pal, and named after the god Asshur at the close of his seventh campaign.

Assyrian monarch passed the Euphrates on rafts, and, entering the city of Carchemish, received the submission of Sangara, the Hittite prince, who ruled in that town, and of various other chiefs, "who came reverently and kissed his sceptre." He then "gave command to advance towards Lebanon." Entering the territory of the Patena,<sup>8</sup> who adjoined upon the northern Hittites, and held the country about Antioch and Aleppo, he occupied the capital, Kinalua, which was between the Abri (or Afrin) and the Orontes; alarmed the rebel king, Lubarna, so that he submitted, and consented to pay a tribute; and then, crossing the Orontes and destroying certain cities of the Patena, passed along the northern flank of Lebanon, and reached the Mediterranean. Here he erected altars and offered sacrifices to the gods, after which he received the submission of the principal Phœnician states, among which Tyre, Sidon, Byblus, and Aradus may be distinctly recognised. He then proceeded inland, and visited the mountain range of Amanus, where he cut timber, set up a sculptured memorial, and offered sacrifice. After this he returned to Assyria, carrying with him, besides other plunder, a quantity of wooden beams, probably cedar, which he carefully conveyed to Nineveh, to be used in his public buildings.

The tenth campaign of Asshur-izir-pal, and the last which is recorded, was in the region of the Upper Tigris. The geographical details here are difficult to follow. We can only say that, as usual, the Assyrian monarch claims to have overpowered all resistance, to have defeated armies, burnt cities, and carried off vast numbers of prisoners. The "royal city" of the monarch chiefly attacked was Amidi, now Diarbekr, which sufficiently marks the main locality of the expedition.<sup>1</sup>

<sup>8</sup> Mr. Fox Talbot compares this name with that of the city Batnæ visited by Julian. (*Assyrian Texts*, p. 32.) Sir H. Rawlinson has suggested a comparison with the Batanzæ of the Greeks and Romans. The position of the Patena at this time was, however, much further north than Batanzæ, which rather corresponds with Bashan.

<sup>1</sup> Amidi continued to be known as

Amida through the Greek, Roman, and Byzantine periods, and is mentioned under that name by Zosimus (iii. 34), Procopius (*Bell. Pers.* i. 17), Eustathius of Epiphania, and others. The Arabic name of Diarbekr ("the country of Bekr") superseded that of Amida in the seventh century. Diarbekr is, however, still known as *Amid* or *Kara Amid* to the Turks and Armenians.



While engaged in these important wars, which were all included within his first six years, Asshur-izir-pal, like his great predecessor, Tiglath-Pileser, occasionally so far unbent as to indulge in the recreation of hunting. He interrupts the account of his military achievements to record, for the benefit of posterity, that on one occasion he slew fifty large wild bulls on the left bank of the Euphrates, and captured eight of the same animals; while, on another, he killed twenty ostriches (?), and took captive the same number. We may conclude, from the example of Tiglath-Pileser,<sup>2</sup> and from other inscriptions of Asshur-izir-pal himself, that the captured animals were conveyed to Assyria either as curiosities, or, more probably, as objects of chase. Asshur-izir-pal's sculptures show that the pursuit of the wild bull was one of his favourite occupations;<sup>3</sup> and as the animals were scarce in Assyria, he may have found it expedient to import them.

Asshur-izir-pal appears, however, to have possessed a menagerie park in the neighbourhood of Nineveh, in which were maintained a variety of strange and curious animals. Animals called *pagûts* or *pagûts*—perhaps elephants—were received as tribute from the Phœnicians during his reign, on at least one occasion, and placed in this enclosure, where (he tells us) they thrived and bred. So well was his taste for such curiosities known, that even neighbouring sovereigns sought to gratify it; and the king of Egypt, a Pharaoh probably of the twenty-second dynasty, sent him a present of strange animals when he was in Southern Syria, as a compliment likely to be appreciated. His love of the chase, which he no doubt indulged to some extent at home, found in Syria, and in the country on the Upper Tigris, its amplest and most varied exercise. In an obelisk inscription, designed especially to commemorate a great hunting expedition into these regions, he tells us that, besides antelopes of all sorts, which he took and sent to Asshur, he captured and destroyed the following animals:—lions, wild sheep, red deer, fallow-deer, wild goats or ibexes, leopards large and small, bears, wolves, jackals, wild boars, ostriches,

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<sup>2</sup> Supra, p. 64.

<sup>3</sup> See vol. i. pp. 512 *et seq.*

foxes, hyænas, wild asses, and a few kinds which have not been identified.<sup>4</sup> From another inscription we learn that, in the course of another expedition, which seems to have been in the Mesopotamian desert, he destroyed 360 large lions, 257 large wild cattle, and thirty buffaloes, while he took and sent to Calah fifteen full-grown lions, fifty young lions, some leopards, several pairs of wild buffaloes and wild cattle, together with ostriches, wolves, red-deer, bears, cheetas, and hyænas.<sup>5</sup> Thus in his peaceful hours he was still actively employed, and in the chase of many dangerous beasts was able to exercise the same qualities of courage, coolness, and skill in the use of weapons which procured him in his wars such frequent and such great successes.

Thus distinguished, both as a hunter and as a warrior, Asshur-izir-pal, nevertheless, excelled his predecessors most remarkably in the grandeur of his public buildings and the free use which he made of the mimetic and other arts in their ornamentation. The constructions of the earlier kings at Asshur (or Kileh-Sherghat), whatever merit they may have had, were beyond a doubt far inferior to those which, from the time of Asshur-izir-pal, were raised in rapid succession at Calah, Nineveh, and Beth-Sargina by that monarch and his successors upon the throne. The mounds of Kileh-Sherghat have yielded no bas-reliefs, nor do they show any traces of buildings on the scale of those which, at Nimrud, Koyunjik, and Khorsabad, provoke the admiration of the traveller. The great palace of Asshur-izir-pal was at Calah, which he first raised from a provincial town to be the metropolis of the empire. It was a building 360 feet long by 300 broad, consisting of seven or eight large halls, and a far greater number of small chambers, grouped round a central court 130 feet long and nearly 100 wide. The longest of the halls, which faced towards the north, and was the first room entered by one who approached from the

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<sup>4</sup> See a paper published by Sir H. Rawlinson in the *Transactions of the Royal Society of Literature*, vol. vii. New Series, p. 9. A few variations from the passage in the *Transactions* will be found in the text. They have the sanction of the writer.

<sup>5</sup> This inscription is on the altar found at Nimrud in front of this king's sculptured effigy. (*Infra*, p. 97.)



access to the principal hall or audience chamber, a noble apartment, but too narrow for its length, lined throughout with sculptured slabs representing the various actions of the king, and containing at the upper or eastern end a raised stone platform cut into steps, which, it is probable, was intended to support at a proper elevation the carved throne of the monarch.<sup>9</sup> A grand portal in the southern wall of the chamber, guarded on either side by winged human-headed bulls in yellow limestone, conducted into a second hall considerably smaller than the first, and having less variety of ornament,<sup>10</sup> which communicated with the central court by a handsome gateway towards the south; and, towards the east, was connected with a third hall, one of the most remarkable in the palace. This chamber was a better-proportioned room than most, being about ninety feet long by twenty-six wide; it ran along the eastern side of the great court, with which it communicated by two gateways, and, internally, it was adorned with sculptures of a more finished and elaborate character than any other room in the building.<sup>11</sup> Behind this eastern hall was another opening into it, of somewhat greater length, but only twenty feet wide; and this led to five small chambers, which here bounded the palace. South of the Great Court were, again, two halls communicating with each other; but they were of inferior size to those on the north and west, and were far less richly ornamented. It is conjectured that there were also two or three halls on the west side of the court between it and the river;<sup>1</sup> but of this there was no very clear evidence, and it may be doubted whether the court towards the west was not, at least partially, open to

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the winged lions which have the form of a man down to the waist. (Layard, *Monuments*, 1st Series, Pl. 42.)

<sup>9</sup> Layard, *Nineveh and its Remains*, vol. i. p. 383; *Monuments*, 1st Series, p. 6.

<sup>10</sup> This hall was about 100 feet long by 25 broad. All the slabs except one were ornamented with colossal eagle-headed figures in pairs, facing one another, and separated by the sacred tree.

<sup>11</sup> From the upper or northern end

of this hall was obtained the magnificently dressed group, figured by Mr. Layard in the 1st Series of his *Monuments*, Pl. 5, and now in the British Museum. "All the figures in the chamber," says Mr. Layard, "are colossal, and are remarkable for the careful finish of the sculptures and elaborate nature of the ornaments." (*Nineveh and its Remains*, vol. i. p. 305.)

<sup>1</sup> See the plan of the Nimrud ruins in Mr. Layard's *Nineveh and Babylon*, opp. p. 655.

the river. Almost every hall had one or two small chambers attached to it, which were most usually at the ends of the halls, and connected with them by large doorways.

Such was the general plan of the palace of Asshur-izir-pal. Its great halls, so narrow for their length, were probably roofed with beams stretching across them from side to side, and lighted by small *louvre*s in their roofs after the manner described in the former volume.<sup>2</sup> Its square chambers may have been domed,<sup>3</sup> and perhaps were not lighted at all, or only by lamps and torches. They were generally without ornamentation.<sup>4</sup> The grand halls, on the contrary, and some of the narrower chambers, were decorated on every side, first with sculptures to the height of nine or ten feet, and then with enamelled bricks, or patterns painted in fresco, to the height, probably, of seven or eight feet more. The entire height of the rooms was thus from sixteen to seventeen or eighteen feet.

The character of Asshur-izir-pal's sculptures has been sufficiently described in an earlier chapter.<sup>5</sup> They have great spirit, boldness, and force; occasionally they show real merit in the design; but they are clumsy in the drawing and somewhat coarse in the execution. What chiefly surprises us in regard to them is the suddenness with which the art they manifest appears to have sprung up, without going through the usual stages of rudeness and imperfection. Setting aside one mutilated statue, of very poor execution,<sup>6</sup> and a single rock tablet,<sup>7</sup> we have no specimens remaining of Assyrian mimetic art more

<sup>2</sup> See vol. i. p. 304.

<sup>3</sup> Like the rooms in ordinary Assyrian houses. (See the representation, vol. i. p. 322.)

<sup>4</sup> Their walls had the usual covering of alabaster slabs, but these slabs were inscribed only, and not sculptured.

<sup>5</sup> Vol. i. ch. vi. pp. 344. *et seq.*

<sup>6</sup> A mutilated female statue, brought from Koyunjik, and now in the cellars of the British Museum, is inscribed with the name of Asshur-bil-kala, son of Tiglath-Pileser, and is the earliest *Assyrian* sculpture which has been brought to Europe. The figure wants the head,

the two arms from the elbows, and the front part of the feet. It is in a coarse stone, and appears to have been very rudely carved. The size is a little below that of life. The proportions are bad, the length of the body between the arms and the legs being much too short. There are appearances from which it is concluded that the statue had been made to subserve the purposes of a fountain.

<sup>7</sup> The tablet of Tiglath-Pileser I., of which a representation has been already given (*supra*, p. 79).

ancient than this monarch.<sup>8</sup> That art almost seems to start in Assyria, like Minerva from the head of Jove, full-grown. Asshur-izir-pal had undoubtedly some constructions of former monarchs to copy from, both in his palatial and in his sacred edifices; the old palaces and temples at Kileh-Sherghat must have had a certain grandeur; and in his architecture this monarch may have merely amplified and improved upon the models left him by his predecessors; but his ornamentation, so far as appears, was his own. The mounds of Kileh-Sherghat have yielded bricks in abundance, but not a single fragment of a sculptured slab.<sup>9</sup> We cannot prove that ornamental bas-reliefs did not exist before the time of Asshur-izir-pal; indeed the rock tablets which earlier monarchs set up were sculptures of this character; but to Asshur-izir-pal seems at any rate to belong the merit of having first adopted bas-reliefs on an extensive scale as an architectural ornament, and of having employed them so as to represent by their means all the public life of the monarch.

The other arts employed by this king in the adornment of his buildings were those of enamelling bricks and painting in fresco upon a plaster. Both involve considerable skill in the preparation of colours, and the former especially implies much dexterity in the management of several very delicate processes.<sup>10</sup>

The sculptures of Asshur-izir-pal, besides proving directly the high condition of mimetic art in Assyria at this time, furnish indirect evidence of the wonderful progress which had been made in various important manufactures. The metallurgy which produced the swords, sword-sheaths, daggers, earrings, necklaces, armlets, and bracelets of this period,<sup>11</sup> must have been of a very advanced description. The coach-building which

<sup>8</sup> Some signet-cylinders of Assyrian workmanship may be earlier. But their date is uncertain.

<sup>9</sup> Layard, *Nineveh and its Remains*, vol. ii. pp. 58-60; *Nineveh and Babylon*, p. 581. Small bits of basalt, fragments probably of an obelisk, a rude statue (see vol. i. p. 339), and some portions of

a winged bull, are all the works of art which Kileh-Sherghat has yielded. The statue is later than the time of Asshur-izir-pal.

<sup>10</sup> See vol. i. pp. 390 *et seq.*

<sup>11</sup> For representations, see vol. i. pp. 368, 369, 371, and 455.

constructed the chariots, the saddlery which made the harness of the horses, the embroidery which ornamented the robes,<sup>12</sup> must, similarly, have been of a superior character. The evidence of the sculptures alone is quite sufficient to show that, in the time of Asshur-izir-pal, the Assyrians were already a great and luxurious people, that most of the useful arts not only existed among them, but were cultivated to a high pitch, and that in dress, furniture, jewelry, &c., they were not very much behind the moderns.

Besides the magnificent palace which he built at Calah, Asshur-izir-pal is known also to have erected a certain number of temples. The most important of these have been already described.<sup>13</sup> They stood at the north-western corner of the Nimrud platform, and consisted of two edifices, one exactly at the angle, comprising the higher tower or *ziggurat*,<sup>14</sup> which stood out as a sort of corner buttress from the great mound, and a shrine with chambers at the tower's base; the other, a little further to the east, consisting of a shrine and chambers without a tower. These temples were richly ornamented both within and without; and in front of the larger one was an erection which seems to show that the Assyrian monarchs, either during their lifetime, or at any rate after their decease, received divine honours from their subjects. On a plain square pedestal about two feet in height was raised a solid block of limestone cut into the shape of an arched frame, and within this frame was carved the monarch in his sacerdotal dress, and with the sacred collar round his neck, while the five principal divine emblems were represented above his head.<sup>15</sup> In front of this figure, marking (apparently) the object of its erection,<sup>16</sup> was a triangular altar

<sup>12</sup> See vol. i. pp. 398, 399; and compare Layard, *Nineveh and its Remains*, vol. ii. pp. 321 and 412-414.

<sup>13</sup> *Supra*, vol. i. pp. 315 *et seq.*

<sup>14</sup> This tower, however, was partly the work of Asshur-izir-pal's son and successor, Shalmaneser II.

<sup>15</sup> A stele of the same king, closely resembling this, but of a ruder character, has been recently brought to England, from Kurkh, near Diarbekr, and added to the National Collection.

<sup>16</sup> The custom of placing an altar directly in front of a sculptured representation of the king appears also in one of the bas-reliefs of Asshur-bani-pal, where there is an arched frame very like this of Asshur-izir-pal, apparently set up against a temple, with an altar at a little distance, placed in a pathway leading directly to the royal image. (See vol. i. p. 310, No. V.)

with a circular top, very much resembling the tripod of the Greeks.<sup>1</sup> Here we may presume were laid the offerings with which the credulous and the servile propitiated the new god,—many a gift, not improbably, being intercepted on its way to the deity of the temple.

Another temple built by this monarch was one dedicated to Beltis at Nineveh. It was perhaps for the ornamentation of this edifice that he cut “great trees” in Amanus and elsewhere during his Syrian expedition, and had them conveyed across Mesopotamia to Assyria. It is expressly stated that these beams were carried, not to Calah, where Asshur-izir-pal usually resided, but to Nineveh.



Stele of Asshur-izir-pal, with Altar in front (Nimrud).

A remarkable work, probably erected by this monarch, and set up as a memorial of his reign at the same city, is an obelisk in white stone, now in the British Museum. On this monument, which was covered on all its four sides with sculptures and inscriptions, now nearly obliterated, Asshur-izir-pal commemorated his wars and hunting exploits in various countries. The obelisk is a monolith, about twelve or thirteen feet high, and two feet broad at the base.<sup>2</sup> It tapers slightly, and, like the Black Obelisk erected by this monarch's son,<sup>3</sup> is crowned at the summit by three steps or gradines. This thoroughly Assyrian ornamentation<sup>4</sup> seems to show that the idea of the

<sup>1</sup> Layard, *Nineveh and Babylon*, p. 351.

<sup>2</sup> Two feet, that is, on the broader face; on the narrower one the width is less than 14 inches.

<sup>3</sup> See vol. i. p. 266, where this monument is represented.

<sup>4</sup> For its constant use in Assyria see vol. i. pp. 257, 279, 308, 309, 310, 312, &c.



obelisk was not derived from Egypt, where the pyramidal apex was universally used, being regarded as essential to this class of ornaments.<sup>5</sup> If we must seek a foreign origin for the invention, we may perhaps find it in the pillars (*στήλαι* or *κίονες*) which the Phœnicians employed, as ornaments or memorials, from a remote antiquity,<sup>6</sup> objects possibly seen by the monarch who took tribute from Tyre, Sidon, Aradus, Byblus, and most of the maritime Syrian cities.<sup>7</sup>

Another most important work of this great monarch was the tunnel and canal already described at length,<sup>8</sup> by which at a vast expenditure of money and labour he brought the water of the Greater Zab to Calah. Asshur-izir-pal mentions this great work as his in his annals; and he was likewise commemorated as its author in the tablet set up in the tunnel by Sennacherib, when, two centuries later, he repaired it and brought it once more into use.

It is evident that Asshur-izir-pal, though he adorned and beautified both the old capital, Asshur, and the now rising city of Nineveh, regarded the town of Calah with more favour than any other, making it the ordinary residence of his court, and bestowing on it his chief care and attention. It would seem that the Assyrian dominion had by this time spread so far to the north that the situation of Asshur (or Kileh-Sherghat) was no longer sufficiently central for the capital. The seat of government was consequently moved forty miles further up the

<sup>5</sup> Amm. Marc. xvii. 4; Plin. *H. N.* xxxvi. 14.

<sup>6</sup> See Kenrick's *Phœnicia*, p. 56; and compare Eupolemus in Polyhistor's *Fragments* (*Fr. Hist. Gr.* vol. iii. p. 228), Menander (*Fr.* 1), and Herodotus (ii. 44.)

<sup>7</sup> Fragments of two other obelisks, one certainly, the other probably, erected by this monarch, were discovered at Koyunjik by Mr. Loftus, and are also in the British Museum. One was in white stone, and had sculptures on one side only, being chiefly covered with an inscription commemorating, in two columns, first, certain hunting exploits in Syria, and secondly, the repairs of

the city of Asshur. This had two gradines at the top, and was two feet wide on its broader, and sixteen inches on its narrower face. The other obelisk was in black basalt, and had sculptures on every side, representing the king receiving tribute-bearers. It must have been larger than any other work of this kind which has been found in Assyria; for its width at top was two feet eight inches on the broader, and nearly two feet on the narrower face, which would imply a height of from fifteen to twenty feet. It is uncertain whether this obelisk terminated in gradines.

<sup>8</sup> *Supra*, vol. i. pp. 564 *et seq.*

river. At the same time it was transferred from the west bank to the east, and placed in the fertile region of Adiabêné,<sup>9</sup> near the junction of the Greater Zab with the Tigris. Here, in a strong and healthy position, on a low spur from the Jebel Maklub, protected on either side by a deep river, the new capital grew to greatness. Palace after palace rose on its lofty platform, rich with carved woodwork, gilding, painting, sculpture, and enamel, each aiming to outshine its predecessors; while stone lions, sphinxes, obelisks, shrines, and temple-towers embellished the scene, breaking its monotonous sameness by variety. The lofty *ziggurat* attached to the temple of Nin or Hercules, dominating over the whole, gave unity to the vast mass of palatial and sacred edifices. The Tigris, skirting the entire western base of the mound, glassed the whole in its waves, and, doubling the apparent height, rendered less observable the chief weakness of the architecture. When the setting sun lighted up the view with the gorgeous hues seen only under an eastern sky, Calah must have seemed to the traveller who beheld it for the first time like a vision from fairy-land.

After reigning gloriously for twenty-five years, from B.C. 883 to B.C. 858, this great prince — “the conqueror” (as he styles himself), “from the upper passage of the Tigris to Lebanon and the Great Sea, who has reduced under his authority all countries from the rising of the sun to the going down of the same”<sup>10</sup> — died, probably at no very advanced age,<sup>11</sup> and left his throne to his son, who bore the name of Shalmaneser.

Shalmaneser II., the son of Asshur-izir-pal, who may probably have been trained to arms under his father, seems to have inherited to the full his military spirit, and to have warred with at least as much success against his neighbours. His reign was extended to the unusual length of thirty-five years,<sup>12</sup> during

<sup>9</sup> Adiabêné is properly the country between the Upper and Lower Zab, but it is not unusual to extend the term to the whole Zab region.

<sup>10</sup> See Mr. Layard's *Nineveh and Babylon*, p. 361.

<sup>11</sup> As his father reigned only six, and his grandfather only twenty years, As-

shur-izir-pal is not likely to have been much more than twenty or twenty-five years old when he came to the throne.

<sup>12</sup> No other Assyrian king except Asshur-bani-pal is known to have reigned so long. The nearest approach to a reign of this length among the earlier monarchs is made by Vul-lush III., Shal-

which time he conducted in person no fewer than twenty-three military expeditions, besides entrusting three or four others to a favourite general. It would be a wearisome task to follow out in detail these numerous and generally uninteresting campaigns, where invasion, battle, flight, siege, submission, and triumphant return succeeded one another with monotonous uniformity. The style of the court historians of Assyria does not improve as time goes on. Nothing can well be more dry and commonplace than the historical literature of this period,<sup>13</sup> which recalls the early efforts of the Greeks in this department,<sup>14</sup> and exhibits a decided inferiority to the compositions of Stowe and Holinshed. The historiographer of Tiglath-Pileser I.,<sup>1</sup> between two and three centuries earlier, is much superior, as a writer, to those of the period to which we are come, who eschew all graces of style, contenting themselves with the curtest and driest of phrases, and with sentences modelled on a single unvarying type.

Instead, therefore, of following in the direct track of the annalist whom Shalmaneser employed to record his exploits, and proceeding to analyse his account of the twenty-seven campaigns belonging to this reign, I shall simply present the reader with the general result in a few words, and then draw his special attention to a few of the expeditions which are of more than common importance.

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maneser's grandson, who reigns 29 years. At Babylon, Nebuchadnezzar reigns 43 years; but no other monarch in Ptolemy's list much exceeds 20 years.

<sup>13</sup> Take, for instance, the following passage from the Annals of Asshur-izir-pal:—

"On the sixth day of the month Su from the city Tabiti I departed. By the side of the river Kharmesh I marched. In the city Magarisi I halted. From the city Magarisi I departed. At the banks of the river Khabour I arrived. In the city Shadikanni I halted. The tribute of the city Shadikanni I received—silver, gold, iron, bars of copper, sheep, and goats. From the city Shadikanni I departed. In the city Katni I halted," &c. &c.

Or the following from the Annals of Shalmaneser II., which is a very ordinary specimen:—

"In my 25th year I crossed the Euphrates through deep water. I received the tribute of all the kings of the Khatti. I passed over Mount Khamana, and went down to the towns of Kati of Cawin. I attacked and captured Timur, his stronghold. I slew his fighting men and carried away his spoil. I overthrew, beat to pieces, and consumed with fire towns without number. On my return I chose Muru, a stronghold of Arami, the son of Ashaltai, to be one of my frontier cities."

<sup>14</sup> See the author's *Herodotus*, vol. i. p. 117, note 4, 2nd edition.

<sup>1</sup> See above, pp. 63-72.

It appears, then, that Shalmaneser, during the first twenty-seven years of his reign, led in person twenty-three expeditions into the territories of his neighbours, attacking in the course of these inroads, besides petty tribes, the following nations and countries:—Babylonia, Chaldæa, Media, the Zimri, Armenia, Upper Mesopotamia, the country about the head-streams of the Tigris, the Hittites, the Patena, the Tibareni, the Hamathites, and the Syrians of Damascus. He took tribute during the same time from the Phœnician cities of Tyre, Sidon, and Byblus, from the Tsukhi or Shuhites, from the people of Muzr, from the Bartsu or Partsu, who are almost certainly the Persians, and from the Israelites. He thus traversed in person the entire country between the Persian Gulf on the south and Mount Niphates upon the north, and between the Zagros range (or perhaps the Persian desert) eastward, and, westward, the shores of the Mediterranean. Over the whole of this region he made his power felt, and even beyond it the nations feared him and gladly placed themselves under his protection. During the later years of his reign, when he was becoming less fit for war-like toils, he seems in general to have deputed the command of his armies to a subject in whom he had great confidence, a noble named Dayan-Asshur. This chief, who held an important office as early as Shalmaneser's fifth year,<sup>2</sup> was in his twenty-seventh, twenty-eighth, thirtieth, and thirty-first employed as commander-in-chief, and sent out, at the head of the main army of Assyria, to conduct campaigns against the Armenians, against the revolted Patena, and against the inhabitants of the modern Kurdistan. It is uncertain whether the king himself took any part in the campaigns of these years. In the native record the first and third persons are continually interchanged,<sup>3</sup> some of

<sup>2</sup> In the fifth year of Shalmaneser, Dayan-Asshur was Eponym, as appears both from the Assyrian Canon and the Inscription on the Black Obelisk. The fourth place after the king was at this time ordinarily held by an officer called the Tukul, probably the Vizier, or Prime Minister.

<sup>3</sup> The subjoined passage will show the curious intermixture of persons:—

"In my 30th year, while I was waiting in Calah, I sent out in haste Dayan-Asshur, the general-in-chief of my whole army, at the head of my army. *He* crossed the Zab, and arrived among the towns of Hupuska. *I* received the tribute of Datana, the Hupuskan. *I* departed from the towns of the Hupuskans. *He* arrived at the towns of Magdubi, the Madakhirian. *I* received

the actions related being ascribed to the monarch and others to the general; but on the whole the impression left by the narrative is that the king, in the spirit of a well-known legal maxim,<sup>4</sup> assumes as his own the acts which he has accomplished through his representative. In his twenty-ninth year, however, Shalmaneser seems to have led an expedition in person into Khirki (the Niphates country), where he "overturned, beat to pieces, and consumed with fire the towns, swept the country with his troops, and impressed on the inhabitants the fear of his presence."

The campaigns of Shalmaneser which have the greatest interest are those of his sixth, eighth, ninth, eleventh, fourteenth, eighteenth, and twenty-first years. Two of these were directed against Babylonia, three against Ben-hadad of Damascus, and two against Khazail (Hazeal) of Damascus.

In his eighth year Shalmaneser took advantage of a civil war in Babylonia between King Merodach-sum-adin and a younger brother, Merodach-bel-usati (?), whose power was about evenly balanced, to interfere in the affairs of that country, and under pretence of helping the legitimate monarch, to make himself master of several towns. In the following year he was still more fortunate. Having engaged, defeated, and slain the pretender to the Babylonian crown, he marched on to Babylon itself, where he was probably welcomed as a deliverer, and from thence proceeded into Chaldæa, or the tract upon the coast, which was at this time independent of Babylon, and forced its kings to become his tributaries. "The power of his army," he tells us, "struck terror as far as the sea."

The wars of Shalmaneser in Southern Syria commenced as early as his ninth year. He had succeeded to a dominion in Northern Syria which extended over the Patena, and probably over most of the northern Hittites;<sup>5</sup> and this made his territories conterminous with those of the Phœnicians, the Hamathites,

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tribute. *He departed from the towns of the Madakhirians, and arrived among the towns of Udaki the Mannian. Udaki fled to save his life. I pursued him," &c.*

<sup>4</sup> "Quod facit per alium, facit per se."

<sup>5</sup> Sangara, king of Carchemish, and Lubarna, king of the Patena, had submitted to Asshur-izir-pal. *Supra*, p. 89.

the southern Hittites, and perhaps the Syrians of Damascus.<sup>6</sup> At any rate the last-named people felt themselves threatened by the growing power on or near their borders, and, convinced that they would soon be attacked, prepared for resistance by entering into a close league with their neighbours. The king of Damascus, who was the great Ben-hadad, Tsakhulena, king of Hamath, Ahab, king of Israel, the kings of the southern Hittites, those of the Phœnician cities on the coast, and others, formed an alliance, and, uniting their forces,<sup>7</sup> went out boldly to meet Shalmaneser, offering him battle. Despite, however, of this confidence, or perhaps in consequence of it, the allies suffered a defeat. Twenty thousand men fell in the battle. Many chariots and much of the material of war were captured by the Assyrians. But still no conquest was effected. Shalmaneser does not assert that he either received submission or imposed a tribute; and the fact that he did not venture to renew the war for five years seems to show that the resistance which he had encountered made him hesitate about continuing the struggle.

Five years, however, having elapsed, and the power of Assyria being increased by her successes in Lower Mesopotamia,<sup>8</sup> Shalmaneser, in the eleventh year of his reign, advanced a second time against Hamath and the southern Hittites. Entering their territories unexpectedly, he was at first unopposed, and succeeded in taking a large number of their towns. But the troops of Ben-hadad soon appeared in the field. Phœnicia, apparently, stood aloof, and Hamath was occupied with her own difficulties; but Ben-hadad, having joined the Hittites, again gave Shalmaneser battle; and though that monarch, as usual, claims the victory, it is evident that he gained no important advantage by his success. He had once more to return to his

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<sup>6</sup> This is doubtful. The southern Hittites may have entirely separated the Damascus territory from that now possessed by Assyria.

<sup>7</sup> The allied force is estimated by the Assyrian monarch at 3940 chariots, 1000 camels, and 77,900 men. Of these Ben-hadad furnished 20,000 men and

1200 chariots, Adoni-baal of Sizana 20,000 men and 30 chariots, Ahab of Jezreel 10,000 men and 2000 chariots, Tsakhulena of Hamath 10,000 men and 700 chariots, and the king of Egypt 1000 men. The camels were furnished by Gindibua (Djendib) the Arabian.

<sup>8</sup> See above, p. 102.

own land without having extended his sway, and this time (as it would seem) without even any trophies of conquest.

Three years later, he made another desperate effort. Collecting his people "in multitudes that were not to be counted," he crossed the Euphrates with above a hundred thousand men.<sup>1</sup> Marching southwards, he soon encountered a large army of the allies, Damascenes, Hamathites, Hittites, and perhaps Phœnicians,<sup>2</sup> the first-named still commanded by the undaunted Ben-hadad. This time the success of the Assyrians is beyond dispute. Not only were the allies put to flight, not only did they lose most of their chariots and implements of war, but they appear to have lost hope, and, formally or tacitly, to have forthwith dissolved their confederacy. The Hittites and Hamathites probably submitted to the conqueror; the Phœnicians withdrew to their own towns, and Damascus was left without allies, to defend herself as she best might, when the tide of conquest should once more flow in this direction.

In the fourth year the flow of the tide came. Shalmaneser, once more advancing southward, found the Syrians of Damascus strongly posted in the fastnesses of the Anti-Lebanon. Since his last invasion they had changed their ruler. The brave and experienced Ben-hadad had perished by the treachery of an ambitious subject,<sup>3</sup> and his assassin, the infamous Hazael, held the throne. Left to his own resources by the dissolution of the old league, this monarch had exerted himself to the utmost in order to repel the attack which he knew was impending. He had collected a very large army, including above eleven hundred chariots, and, determined to leave nothing to chance, had carefully taken up a very strong position in the mountain range

<sup>1</sup> He estimates his troops at 102,000. (*Black-Obelisk Inscription*, p. 423.)

<sup>2</sup> The Hittites and the Phœnicians are probably both included in the "twelve kings from the shores of the Upper and Lower Seas," who are said to have joined Ben-hadad on this occasion. (*Inscription*, l. a. c.)

<sup>3</sup> See 2 Kings viii. 15. Attempts have been made to clear Hazael of this murder (Calmet, *Commentaire littéral*, vol. ii. p.

884; Cotton, in Smith's *Biblical Dictionary*, ad. voc. BENHADAD), because it is thought that otherwise Elisha would be involved in his crime. But Elisha no more suggested murder to Hazael by telling him that he would be king than Samuel suggested a similar crime to David by actually anointing him as king (1 Sam. xvi. 1-13). Hazael might have acted as David did.

which separated his territory from the neighbouring kingdom of Hamath, or valley of Cœle-Syria. Here he was attacked by Shalmaneser, and completely defeated, with the loss of 16,000 of his troops, 1121 of his chariots, a quantity of his war material, and his camp. This blow apparently prostrated him; and when, three years later, Shalmaneser invaded his territory, Hazael brought no army into the field, but let his towns, one after another, be taken and plundered by the Assyrian.<sup>4</sup>

It was probably upon this last occasion, when the spirit of Damascus was cowed, and the Phœnician cities, trembling at the thought of their own rashness in having assisted Hazael and



Israelites bringing tribute to Shalmaneser II. (Nimrud.)

Ben-hadad, hastened to make their submission and to resume the rank of Assyrian tributaries, that the sovereign of another Syrian country, taking warning from the fate of his neighbours, determined to anticipate the subjection which he could not avoid, and, making a virtue of necessity, to place himself under the Assyrian yoke. Jehu, "son of Omri," as he is termed in the Inscription — *i.e.* successor and supposed descendant of the great Omri who built Samaria<sup>5</sup> — sent as tribute to Shalmaneser

<sup>4</sup> *Inscription*, p. 424. The expression used is, "I went to the towns of Hazael of Damascus, and took part of his provisions." Immediately afterwards we read, "I received the tributes of Tyre, Sidon, and Byblus."

<sup>5</sup> Samaria was known to the Assyrian

monarchs of this period as Beth-Khumri — "the house or city of Omri" — a form of name with which they were familiar, and one which implied the existence at some previous time of a great king. Omri, the founder. Jehu, in his dealings with the Assyrians, seems to have



a quantity of gold and silver in bullion, together with a number of manufactured articles in the more precious of the two metals. In the sculptures which represent the Israelitish ambassadors presenting this tribute to the great king,<sup>6</sup> these articles appear carried in the hands, or on the shoulders, of the envoys, but they are in general too indistinctly traced for us to pronounce with any confidence upon their character.

Shalmaneser had the same taste as his father for architecture and the other arts. He completed the *ziggurat* of the Great Temple of Nin at Calah, which his father had left unfinished, and not content with the palace of that monarch, built for himself a new and (probably) more magnificent residence on the same lofty platform, at the distance of about 150 yards.<sup>7</sup> This edifice was found by Mr. Layard in so ruined a condition, through the violence which it had suffered, apparently at the hands of Esarhaddon,<sup>8</sup> that it was impossible either to trace its plan or to form a very clear notion of its ornamentation.<sup>9</sup> Two gigantic winged bulls, partly destroyed, served to show that the grand portals of the chambers were similar in character and design to those of the earlier monarch, while from a number of sculptured fragments it was sufficiently plain that the walls had been adorned with bas-reliefs of the style used in Asshur-izir-pal's edifice. The only difference observable was in the size and subjects of the sculptures, which seemed to have been on a grander scale and more generally mythological than those of the North-West palace.<sup>10</sup>

The monument of Shalmaneser which has attracted most attention in this country is an obelisk in black marble, similar in shape and general arrangement to that of Asshur-izir-pal,

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represented himself to them as this man's "son" or "descendant." It is possible that his representation may have been true, and that he was descended from Omri, at least on the mother's side.

<sup>6</sup> Besides the representation given above, the woodcut on page 502 of vol. i. belongs to this series. It represents the chief ambassador of the Israelites prostrating himself before the Assyrian king.

<sup>7</sup> This is commonly known as the

"Central Palace" of the Nimrud platform. It was discovered by Mr. Layard on his first expedition. (See *Nineveh and its Remains*, vol. i. pp. 344-347.)

<sup>8</sup> It will be hereafter seen that Esarhaddon's palace at Nimrud — called by Mr. Layard the South-West edifice — was almost entirely composed of materials taken from the earlier buildings in its neighbourhood.

<sup>9</sup> Layard, *Nineveh and Babylon*, p. 656.

<sup>10</sup> *Ibid.* l. s. c. and note.

already described, but of a handsomer and better material. This work of art was discovered in a prostrate position under the *débris* which covered up Shalmaneser's palace. It contained bas-reliefs in twenty compartments, five on each of its four sides; the space above, between, and below them being covered with cuneiform writing, sharply inscribed in a minute character. The whole was in most excellent preservation.<sup>1</sup> The bas-reliefs represent the monarch, accompanied by his vizier and other chief officers, receiving the tribute of five nations, whose envoys are ushered into the royal presence by officers of the court, and prostrate themselves at the Great King's feet ere they present their offerings. The gifts brought are, in part, objects carried in the hand — gold, silver, copper in bars and cubes, goblets, elephants' tusks, tissues, and the like — in part, animals, such as horses, camels, monkeys and baboons of different kinds, stags, lions, wild bulls, antelopes, and — strangest of all — the rhinoceros and the elephant. One of the nations, as already mentioned,<sup>2</sup> is that of the Israelites. The others are, first, the people of Kirzan, a country bordering on Armenia,<sup>3</sup> who present gold, silver, copper, horses, and camels, and fill the four highest compartments<sup>4</sup> with a train of nine envoys; secondly, the Muzri, or people of Muzr, a country nearly in the same quarter,<sup>5</sup> who are

<sup>1</sup> For a representation of this obelisk see vol. i. p. 266. It is on a somewhat smaller scale than that of Aashur-izir-pal, being only about seven feet high, whereas that is more than twelve, and twenty-two inches wide on the broad face, whereas that is two feet. Its proportions make it more solid-looking and less taper than the earlier monument.

<sup>2</sup> See above, p. 105.

<sup>3</sup> Kirzan seems to be the country on the southern slopes of Mount Niphates, between the Bitlis and Myafarekin rivers. It retains its name almost unchanged to the present day. (See Layard, *Nineveh and Babylon*, p. 37, where it is called "the district of Kherzan.")

<sup>4</sup> To read the sculptures of an Assyrian obelisk, we must begin at the top with the four topmost compartments, which we must take in the order of

their occurrence. We must then descend to the second line of compartments, then to the third, and so on, reading them in the same way. In the Black Obelisk the five lines of compartments correspond exactly to the five nations, except in a single instance. The figures in the bottom compartment of the first side seem not to belong to the fifth nation, nor (apparently) to the fourth, but either to the first or second. The envoys of the fifth nation are introduced by Assyrian officers in the bottom compartment of the second side.

<sup>5</sup> Muzr is north-western Kurdistan, especially the district about Rowandiz and Amadiyeh. Bit-Sargina (Khorsabad) is always said to be "at the foot of the mountains of Muzr." The Muzri must have traded with India, probably by the line of the Caspian and the Oxus river.

represented in the four central compartments, with six envoys conducting various wild animals; thirdly, the Tsukhi, or Shuhites, from the Euphrates, to whom belong the four compartments below the Muzri, which are filled by a train of thirteen envoys, bringing two lions, a stag, and various precious articles, among which bars of metal, elephants' tusks, and shawls or tissues, are conspicuous; and lastly, the Patena, from the Orontes, who fill three of the lowest compartments with a train of twelve envoys bearing gifts like those of the Israelites.

Besides this interesting monument, there are very few remains of art which can be ascribed to Shalmaneser's time with any confidence.<sup>6</sup> The sculptures found on the site of his palace belonged to a later monarch,<sup>7</sup> who restored and embellished it. His own bas-reliefs were torn from their places by Esarhaddon, and by him defaced and used as materials in the construction of a new palace. We are thus left almost without materials for judging of the progress made by art during Shalmaneser's reign. Architecture, it may be conjectured, was modified to a certain extent, precious woods being employed more frequently and more largely than before; a fact of which we seem to have an indication in the frequent expeditions made by Shalmaneser into Syria, for the single purpose of cutting timber in its forests.<sup>8</sup> Sculpture, to judge from the obelisk, made no advance. The same formality, the same heaviness of outline, the same rigid adherence to the profile in all representations both of man and beast, characterise the reliefs of both reigns equally, so far as we have any means of judging.

Shalmaneser seems to have held his court ordinarily at Calah, where he built his palace and set up his obelisk; but sometimes he would reside for a time at Nineveh or at Asshur.<sup>9</sup> He does

<sup>6</sup> A stele of this monarch, closely resembling those of his father already mentioned (*supra*, p. 96), was brought from Kurkh in 1863, and is now in the British Museum. It is not inferior to the similar works of Asshur-izir-pal; but it shows no advance upon them.

<sup>7</sup> This was Tiglath-Pileser II., the monarch of that name mentioned in Scripture. (See below, p. 135.)

<sup>8</sup> Shalmaneser made expeditions for this sole purpose in his first, his seventeenth, and his nineteenth years. (See *Inscription*, pp. 422-424.)

<sup>9</sup> See Shalmaneser's account of his proceedings during his fifth and twenty-sixth years. (*Inscription*, pp. 422 and 425.)

not appear to have built any important edifice at either of these two cities, but at the latter he left a monument which possesses some interest. This is the stone statue, now in a mutilated condition, representing a king seated, which was found by Mr. Layard at Kileh-Sherghat, and of which some notice was taken in the former volume.<sup>10</sup> Its proportions are better than those of the small statue of the monarch's father, standing in his sacrificial dress, which was found at Nimrud;<sup>11</sup> and it is superior to that work of art, in being of the size of life; but either its execution was originally very rude, or it must have suffered grievously by exposure, for it is now wholly rough and unpolished.

The later years of Shalmaneser appear to have been troubled by a dangerous rebellion.<sup>12</sup> The infirmities of age were probably creeping upon him. He had ceased to go out with his armies; and had handed over a portion of his authority to the favourite general who was entrusted with the command of his forces year after year.<sup>1</sup> The favour thus shown may have provoked jealousy and even alarm. It may have been thought that the legitimate successor was imperilled by the exaltation of a subject whose position would enable him to ingratiate himself with the troops, and who might be expected, on the death of his patron, to make an effort to place the crown on his own head. Fears of this kind may very probably have so worked on the mind of the heir apparent as to determine him not to await his father's demise, but rather to raise the standard of revolt during his lifetime, and to endeavour, by an unexpected *coup-de-main*, to anticipate and ruin his rival. Or, possibly, Asshur-danin-pal, the eldest son of Shalmaneser, like too many royal youths, may have been impatient of the long life of his father, and have conceived the guilty desire, with which our fourth Henry is said to have taxed his first-born, a "hunger for the

<sup>10</sup> See vol. i. p. 339.

<sup>11</sup> Representations of these two statues are given on pages 339 and 340 of the first volume.

<sup>12</sup> The main features of this rebellion are given in an inscription on a stele

set up by Shamas-Vul II., Shalmaneser's son and successor. This inscription has been translated by Sir H. Rawlinson, and will be found in the *Journal of the Asiatic Society*, vol. xvi., Annual Report, pp. xii. et seq. <sup>1</sup> Supra, p. 101.

empty chair," of which the aged monarch<sup>2</sup> still held possession. At any rate, whatever may have been the motive that urged him on, it is certain that Asshur-danin-pal rebelled against his sire's authority, and, raising the standard of revolt, succeeded in carrying with him a great part of the kingdom. At Asshur, the old metropolis, which may have hoped to lure back the Court by its subservience, at Arbela in the Zab region, at Amidi on the Upper Tigris, at Tel-Apni near the site of Orfa, and at more than twenty other fortified places, Asshur-danin-pal was proclaimed king, and accepted by the inhabitants for their sovereign. Shalmaneser must have felt himself in imminent peril of losing his crown. Under these circumstances he called to his assistance his second son Shamas-Vul, and placing him at the head of such of his troops as remained firm to their allegiance, invested him with full power to act as he thought best in the existing emergency. Shamas-Vul at once took the field, attacked and reduced the rebellious cities one after another, and in a little time completely crushed the revolt, and re-established peace throughout the empire. Asshur-danin-pal, the arch conspirator, was probably put to death; his life was justly forfeit; and neither Shamas-Vul nor his father is likely to have been withheld by any inconvenient tenderness from punishing treason in a near relative, as they would have punished it in any other person. The suppressor of the revolt became the heir of the kingdom; and when, shortly afterwards,<sup>3</sup> Shalmaneser died, the piety or prudence of his faithful son was rewarded by the rich inheritance of the Assyrian Empire.

Shalmaneser reigned, in all, thirty-five years, from B.C. 858 to B.C. 823. His successor, Shamas-Vul, held the throne for thirteen years, from B.C. 823 to B.C. 810. Before entering upon the consideration of this latter monarch's reign, it will be well

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<sup>2</sup> Shalmaneser may not have been more than about sixty at his death. But this is an age which Eastern monarchs, with their habits of life, rarely exceed. Only two kings of Judah after David exceeded sixty years of age.

<sup>3</sup> Shalmaneser reigned 35 years. His annals terminate with his thirty-first

year, B.C. 828. As they make no mention of Asshur-danin-pal's revolt, we may conclude that it broke out and was suppressed in the course of the monarch's last five years. He could not, therefore, have survived its suppression more than four years.

to cast your eyes once more over the Assyrian Empire, such as it has now become, and over the the nations with which its growth had brought it into contact. Considerable changes had occurred since the time of Tiglath-Pileser I., the Assyrian boundaries having been advanced in several directions, while either this progress, or the movements of races beyond the frontier, had brought into view many new and some very important nations.

The chief advance which the "Terminus" of the Assyrians had made was towards the west and the north-west. Instead of their dominion in this quarter being bounded by the Euphrates, they had established their authority over the whole of Upper Syria, over Phœnicia, Hamath, and Samaria, or the kingdom of the Israelites. These countries were not indeed reduced to the form of provinces; on the contrary, they still retained their own laws, administration, and native princes; but they were henceforth really subject to Assyria, acknowledging her suzerainty, paying her an annual tribute, and giving a free passage to her armies through their territories. The limit of the Assyrian Empire towards the west was consequently at this time the Mediterranean, from the Gulf of Iskanderun to Cape Carmel, or perhaps we should say to Joppa.<sup>4</sup> Their north-western boundary was the range of Taurus next beyond Amanus, the tract between the two belonging to the Tibareni (Tubal), who had submitted to become tributaries.<sup>5</sup> Northwards, little if any progress had been made. The chain of Niphates — "the high grounds over the affluents of the Tigris and Euphrates" — where Shalmaneser set up "an image of his majesty,"<sup>6</sup> seems still to be the furthest limit. In other words, Armenia is unconquered,<sup>7</sup> the strength of the region and the valour of its inhabitants still protecting it from the Assyrian arms. Towards the east some territory seems to have been gained, more especially in the central Zagros

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<sup>4</sup> That is, if we view the subjection of the kingdom of Israel as complete. Perhaps it was scarcely received as yet fully into the empire.

<sup>5</sup> See the *Black-Obelisk Inscription*, p. 424.

<sup>6</sup> *Ibid.* p. 423.

<sup>7</sup> This must be understood especially of Northern and Western Armenia. Shalmaneser, as we learn from the Kurkh stele, reduced all the Van region, and set up his image on the shores of the lake.

region, the district between the Lower Zab and Holwan, which at this period bore the name of Hupuska;<sup>8</sup> but the tribes north and south of this tract were still for the most part unsubdued.<sup>9</sup> The southern frontier may be regarded as wholly unchanged; for although Shalmaneser warred in Babylonia, and even took tribute on one occasion from the petty kings of the Chaldæan towns, he seems to have made no permanent impression in this quarter. The Tsukhi or Shuhites are still the most southern of his subjects.<sup>10</sup>

The principal changes which time and conquest had made among the neighbours of Assyria were the following. Towards the west she was brought into contact with the kingdom of Damascus, and, through her tributary Samaria, with Judæa. On the north-west she had new enemies in the *Quin*,<sup>11</sup> (Coans?) who dwelt on the further side of Amanus, near the Tibareni, in a part of the country afterwards called Cilicia, and the Cilicians themselves, who are now first mentioned. The Moschi seem to have withdrawn a little from this neighbourhood, since they no longer appear either among Assyria's enemies or her tributaries. On the north all minor powers had disappeared; and the Armenians (*Urarda*) were now Assyria's sole neighbours. Towards the east she had come into contact with the *Mannai*, or Minni, about Lake Urumiyeh, with the Kharkhar in the Van region and in north-western Kurdistan, with the Bartsu or Persians<sup>1</sup> and the Mada or Medes in the country east of Zagros,

<sup>8</sup> From Hupuska may have been formed the Greek name of Physcus, which was assigned to the Diyaleh by Sophænetus and Xenophon. (See Xen. *Anab.* ii. 25; Steph. Byz. ad voc. *ϕυσκος*.)

<sup>9</sup> One important exception, however, must be noticed — the submission of the Muzri, the chief people of north-western Kurdistan. By this the Assyrian Empire was considerably extended to the north-east.

<sup>10</sup> In the selection of the five nations whose tributes are commemorated by the sculptures on the Black Obelisk, there is an evident intention to exhibit the

extent of the Empire. The Patena and Israelites mark the bounds on the north-west and south-west, the Muzri those on the north-east. The extreme north is marked by the people of Kirzan, the extreme south by the Tsukhi.

<sup>11</sup> This term may possibly correspond to the Hebrew גֹּיִם, *Goim* — the singular, which is *Quē* (Coé), answering to גֹּי, *Goi*.

<sup>1</sup> The Bartsu at this time inhabit south-eastern Armenia. By Sennacherib's time they had descended to a they more southerly position. In fact, much are then in, or very near, Persia Proper.

the modern province of Ardelan, and with the Tsimri, or Zimri,<sup>2</sup> in Upper Luristan. Among all her fresh enemies, she had not, however, as yet found one calculated to inspire any serious fear. No new organized monarchy presented itself. The tribes and nations upon her borders were still either weak in numbers or powerless from their intestine divisions; and there was thus every reason to expect a long continuance of the success which had naturally attended a large centralized state in her contests with small kingdoms or loosely-united confederacies. Names celebrated in the after history of the world, as those of the Medes and Persians, are now indeed for the first time emerging into light from the complete obscurity which has shrouded them hitherto; and, tinged as they are with the radiance of their later glories, they show brightly among the many insignificant tribes and nations with which Assyria has been warring for centuries; but it would be a mistake to suppose that these names have any present importance in the narrative, or represent powers capable as yet of contending on equal terms with the Assyrian Empire, or even of seriously checking the progress of her successes. The Medes and Persians are at this period no more powerful than the Zimri, the Minni, the Urarda,<sup>3</sup> or than half a dozen others of the border nations, whose appellations sound strange in the ears even of the advanced student. Neither of the two great Arian peoples had as yet a capital city, neither was united under a king; separated into numerous tribes, each under its chief, dispersed in scattered towns and villages, poorly fortified or not fortified at all, they were in the same condition as the Naïri, the Qummukh, the Patena, the Hittites, and the other border races whose relative weakness Assyria had abundantly proved in a long course of wars wherein she had uniformly been the victor.

The short reign of Shamas-Vul II. presents but little that calls for remark. Like Shalmaneser II., he resided chiefly at Calah, where, following the example of his father and grandfather, he

<sup>2</sup> See Jerem. xxv. 25.

<sup>3</sup> This term is the Assyrian representation of the Biblical Ararat (Արարատ).

and is probably the original of the 'Αλαράδοι of Herodotus (iii. 94; vii. 79).



set up an obelisk (or rather a stele) in commemoration of his various exploits. This monument, which is covered on three sides with an inscription in the hieratic or cursive character,<sup>4</sup> contains an opening invocation to Nin or Hercules, conceived in the ordinary terms, the genealogy and titles of the king, an account of the rebellion of Asshur-danin-pal, together with its suppression,<sup>5</sup> and Shamas-Vul's own annals for the first four years of his reign. From these we learn that he displayed the same active spirit as his two predecessors, carrying his arms against the Nairi on the north, against Media and Arazias on the east, and against Babylonia on the south. The people of Hupuska, the Minni, and the Persians (Bartsu), paid him tribute. His principal success was that of his fourth campaign, which was against Babylon. He entered the country by a route often used,<sup>6</sup> which skirted the Zagros mountain range for some distance, and then crossed the flat, probably along the course of the Diyaleh, to the southern capital. The Babylonians, alarmed at his advance, occupied a strongly fortified place on his line of route, which he besieged and took after a vigorous resistance, wherein the blood of the garrison was shed like water. Eighteen thousand were slain; three thousand were made prisoners; the city itself was plundered and burnt, and Shamas-Vul pressed forward against the flying enemy. Hereupon the Babylonian monarch, Merodach-belatzu-ikbi, collecting his own troops and those of his allies, the Chaldæans, the Aramæans or Syrians, and the Zimri — a vast host — met the invader on the river Daban<sup>7</sup> — perhaps a branch of the Euphrates — and fought a great battle in defence of his city. He was, however, defeated by the Assyrians, with the loss of 5000 killed, 2000 prisoners, 100 chari-

<sup>4</sup> This inscription has been engraved in the *British Museum Series*, vol. i. Pls. 29 to 31; in which a transcript of the inscription in the ordinary character has been also published (ibid. Pls. 32 to 34).

<sup>5</sup> See above, pp. 109 *et seq.*

<sup>6</sup> The first Nebuchadnezzar, king of Babylon, attacked Assyria by this route in his first expedition. (Supra, p. 62.) It was also followed by Asshur-izir-pal and Shalmaneser II. in their Babylonian

wars. In the time of Herodotus it seems to have been the ordinary line by which travellers reached Babylon. (See Herod. v. 52, and compare the author's "Outline of the Life of Herodotus" in his *Herodotus*, vol. i. p. 9. note <sup>1</sup>.)

<sup>7</sup> Sir H. Rawlinson regards the Daban as probably the Babylonian Upper Zab (or Nil), which left the Euphrates at Babylon and joined the Tigris at the site of Apamea, near the commencement of the Shat-el-Hie.

ots, 200 tents, and the royal standard and pavilion. What further military or political results the victory may have had is uncertain. Shamas-Vul's annals terminate abruptly at this point,<sup>8</sup> and we are left to conjecture the consequences of the campaign and battle. It is possible that they were in the highest degree important; for we find, in the next reign, that Babylonia, which has so long been a separate and independent kingdom, is reduced to the condition of a tributary, while we have no account of its reduction by the succeeding monarch, whose relations with the Babylonians, so far as we know, were of a purely peaceful character.

The stele of Shamas-Vul contains one allusion to a hunting exploit, by which we learn that this monarch inherited his grandfather's partiality for the chase. He found wild-bulls at the foot of Zagros when he was marching to invade Babylonia, and delaying his advance to hunt them, was so fortunate as to kill several.

We know nothing of Shamas-Vul as a builder, and but little of him as a patron of art. He seems to have been content with the palaces of his father and grandfather, and to have been devoid of any wish to outshine them by raising edifices which should throw theirs into the shade. In his stele he shows no originality; for it is the mere reproduction of a monument well known to his predecessors, and of which we have several specimens from the time of Asshur-izir-pal downwards. It consists of a single figure in relief—a figure representing the king dressed in his priestly robes, and wearing the sacred emblems round his neck, standing with the right arm upraised, and enclosed in the customary arched frame. This figure, which is somewhat larger than life, is cut on a single solid block of stone, and then placed on another broader block, which serves as a pedestal. It closely resembles the

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<sup>8</sup> One copy of the Assyrian Canon contains brief notices of Shamas-Vul's expeditions during his last six years. From this document (*Brit. Mus. Series*, vol. ii. Pl. 52) it appears that he was engaged in military expeditions year after year until B.C. 810, when he died. The most important of these were against Chaldæa and Babylonia in his 11th and 12th years. The reduction of Babylonia was probably effected by these campaigns (B.C. 813 and 812).

figure of Asshur-izir-pal, whereof a representation has been already given.<sup>9</sup>

The successor of Shamas-Vul was his son Vul-lush, the third monarch of that name, who ascended the throne B.C. 810, and held it for twenty-nine years, from B.C. 810 to B.C. 781. The memorials which we possess of this king's reign are but scanty. They consist of one or two slabs found at Nimrud, of a short dedicatory inscription on duplicate statues of the god Nebo brought from the same place, of some brick inscriptions from the mound of Nebbi Yunus, and of the briefest possible notices of the quarters in which he carried on war, contained in one copy of the Canon. As none of these records are in the shape of annals except the last, and as only these and the slab notices are historical, it is impossible to give any detailed account of this long and apparently important reign. We can only say that Vul-lush III. was as warlike a monarch as any of his predecessors, and that his efforts seem to have extended the Assyrian dominion in almost every quarter. He made seven expeditions across the Zagros range into Media, two into the Van country, and three into Syria. He tells us that in one of these expeditions he succeeded in making himself master of the great city of Damascus, whose kings had defied (as we have seen) the repeated attacks of Shalmaneser. He reckons as his tributaries in these parts, besides Damascus, the cities of Tyre and Sidon, and the countries of Khumri or Samaria, of Palestine or Philistia, and of Hudum (Idumæa or Edom). On the north and east he received tokens of submission from the Naïri, the Minni, the Medes, and the Partsu, or Persians. On the south, he exercised a power, which seems like that of a sovereign, in Babylonia; where homage was paid him by the Chaldæans, and where, in the great cities of Babylon, Borsippa, and Cutha (or Tiggaba), he was allowed to offer sacrifice to the gods Bel, Nebo, and Nergal.<sup>1</sup> There is, further, some reason to suspect that, before quitting Babylonia, he established one of his sons

<sup>9</sup> See above, p. 97.

<sup>1</sup> An abstract of this Inscription of Vul-lush III. was published by Sir H. Rawlinson in the year 1856, and will be

found in the *Athenæum*, No. 1476. More recently, Mr. Fox Talbot has translated the Inscription word for word. (See the *Journal of the Asiatic Society*, vol. xix.

as viceroy over the country; since he seems to style himself in one place "the king to whose son Asshur, the chief of the gods, has granted the kingdom of Babylon."

It thus appears that by the time of Vul-lush III., or early in the eighth century B.C., Assyria had with one hand grasped Babylonia, while with the other she had laid hold of Philistia and Edom. She thus touched the Persian Gulf on the one side, while on the other she was brought into contact with Egypt. At the same time she had received the submission of at least some portion of the great nation of the Medes, who were now probably moving southwards from Azerbaijan and gradually occupying the territory which was regarded as Media Proper by the Greeks and Romans. She held Southern Armenia, from Lake Van to the sources of the Tigris; she possessed all Upper Syria, including Commagêné and Amanus; she had tributaries even on the further side of that mountain range; she bore sway over the whole Syrian coast from Issus to Gaza; her authority was acknowledged, probably, by all the tribes and kingdoms between the coast and the desert,<sup>2</sup> certainly by the Phœnicians, the Hamathites, the Patena, the Hittites, the Syrians of Damascus, the people of Israel, and the Idumæans, or people of Edom. On the east she had reduced almost all the valleys of Zagros, and had tributaries in the great upland on the eastern side of the range. On the south, if she had not absorbed Babylonia, she had at least made her influence para-

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pp. 182-186.) The original has been published in the *British Museum Series*, vol. i. Pl. 35, No. I.

<sup>2</sup> It is an interesting question at what time exactly Judæa first acknowledged the suzerainty of the Assyrians. The general supposition has been that the submission of Ahaz to Tiglath-Pileser II. (about B.C. 730) was the beginning of the subjection (see 2 K. xvi. 7); but a notice in the 14th chapter of the Second Book of Kings appears to imply a much earlier acknowledgment of Assyrian sovereignty. It is said there that "as soon as the kingdom was confirmed in Amaziah's hand, he slew the servants

who had slain the king his father." Now this is the very expression used of Menahem, king of Israel, in ch. xv. 19, where the "confirmation" intended is evidently that of the Assyrian monarch. We may suspect, therefore, that Judæa had admitted the suzerainty of a foreign power before the accession of Amaziah; and, if so, it must be regarded as almost certain that the power which exercised the suzerainty was Assyria. Amaziah's accession fell probably towards the close of the reign of Shalmaneser II., and the submission of Judæa may therefore be assigned with much probability to the time of that monarch (ab. B.C. 840 or 850).

mount there. The full height of her greatness was not indeed attained till a century later; but already the "tall cedar" was "exalted above all the trees of the field; his boughs were multiplied; his branches had become long; and under his shadow dwelt great nations."<sup>3</sup>

Not much is known of Vul-lush III. as a builder, or as a patron of art. He calls himself the "restorer of noble buildings which had gone to decay," an expression which would seem to imply that he aimed rather at maintaining former edifices in repair than at constructing new ones. He seems, however, to have built some chambers on the mound of Nimrud, between the north-western and the south-western palaces, and also to have had a palace at Nineveh on the mound now called Nebbi Yunus. The Nimrud chambers were of small size and poorly ornamented; they contained no sculptures; the walls were plastered and then painted in fresco with a variety of patterns.<sup>4</sup> They may have been merely guard-rooms, since they appear to have formed a portion of a high tower.<sup>5</sup> The palace at Nebbi Yunus was probably a more important work; but the superstitious regard of the natives for the supposed tomb of Jonah has hitherto frustrated all attempts made by Europeans to explore that mass of ruins.<sup>6</sup>

Among all the monuments recovered by recent researches, the only works of art assignable to the reign of Vul-lush are two rude statues of the god Nebo, almost exactly resembling one another.<sup>7</sup> From the representation of one of them, contained in the first volume of this work,<sup>8</sup> the reader will see that the figures in question have scarcely any artistic merit. The head is disproportionately large, the features, so far as they can be traced,

<sup>3</sup> Ezek. xxxi. 5, 6.

<sup>4</sup> The patterns were in fair taste. They consisted chiefly of winged bulls, zigzags, arrangements of squares and circles, and the like. Mr. Layard calls them "elaborate and graceful in design." (*Nineveh and its Remains*, vol. ii. p. 15.) <sup>5</sup> *Ibid.* p. 16.

<sup>6</sup> The Turks themselves at one time excavated to some extent in the Nebbi Yunus mound, and discovered buildings

and relics of Vul-lush III., of Sennacherib, and of Esar-haddon.

<sup>7</sup> Sir H. Rawlinson, who discovered these statues in a temple dedicated to Nebo by Vul-lush III., which adjoined the S.E. palace at Nimrud, found with them six others. Of these four were colossal, while two resembled those in the Museum. The colossal statues were destitute of any inscription.

<sup>8</sup> Page 141.

are coarse and heavy, the arms and hands are poorly modelled, and the lower part is more like a pillar than the figure of a man. We cannot suppose that Assyrian art was incapable, under the third Vul-lush, of a higher flight than these statues indicate; we must therefore regard them as conventional forms, reproduced from old models, which the artist was bound to follow. It would seem, indeed, that while in the representation of animals and of men of inferior rank, Assyrian artists were untrammelled by precedent, and might aim at the highest possible perfection, in religious subjects, and in the representation of kings and nobles, they were limited, by law or custom, to certain ancient forms and modes of expression, which we find repeated from the earliest to the latest times with monotonous uniformity.

If these statues, however, are valueless as works of art, they have yet a peculiar interest for the historian, as containing the only mention which the disinterred remains have furnished of one of the most celebrated names of antiquity—a name which for many ages vindicated to itself a leading place, not only in the history of Assyria, but in that of the world.<sup>9</sup> To the Greeks and Romans Semiramis was the foremost of women, the greatest queen who had ever held a sceptre, the most extraordinary conqueror that the East had ever produced. Beautiful as Helen or Cleopatra, brave as Tomyris, lustful as Messalina, she had the virtues and vices of a man rather than a woman, and performed deeds scarcely inferior to those of Cyrus or Alexander the Great. It is an ungrateful task to dispel illusions, more especially such as are at once harmless and venerable for their antiquity; but truth requires the historian to obliterate from the pages of the past this well-known image, and to substitute in its place a very dull and prosaic figure—a Semiramis no longer decked with the prismatic hues of fancy, but clothed instead in the sober garments of fact. The Nebo idols are dedicated, by the Assyrian officer who had them executed, “to his lord Vul-lush and his lady *Sammura-*

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<sup>9</sup> The inscription on the statues shows that they were offered to Nebo by an officer, who was governor of Calah, Khamida (Amadiyah), and three other places, for the life of Vul-lush and of his wife Sammuramit, that the god might lengthen the king's life, prolong his days, increase his years, and give peace to his house and people, and victory to his armies.

*mit*;"<sup>10</sup> from whence it would appear to be certain, in the first place, that that monarch was married to a princess who bore this world-renowned name, and, secondly, that she held a position superior to that which is usually allowed in the East to a queen-consort. An inveterate Oriental prejudice requires the rigid seclusion of women; and the Assyrian monuments, thoroughly in accord with the predominant tone of Eastern manners, throw a veil in general over all that concerns the weaker sex, neither representing to us the forms of the Assyrian women in the sculptures, nor so much as mentioning their existence in the inscriptions.<sup>11</sup> Very rarely is there an exception to this all but universal reticence. In the present instance, and in about two others, the silence usually kept is broken; and a native woman comes upon the scene to tantalize us by her momentary apparition. The glimpse that we here obtain does not reveal much. Beyond the fact that the principal queen of Vul-lush III. was named Semiramis, and the further fact, implied in her being mentioned at all, that she had a recognised position of authority in the country, we can only conclude, conjecturally, from the exact parallelism of the phrases used, that she bore sway conjointly with her husband, either over the whole or over a part of his dominions. Such a view explains, to some extent, the wonderful tale of the Ninian Semiramis, which was foisted into history by Ctesias; for it shows that he had a slight basis of fact to go upon. It also harmonizes, or may be made to harmonize, with the story of Semiramis as told by Herodotus, who says that she was a Babylonian queen, and reigned five generations before Nitocris,<sup>12</sup> or about B.C. 755.<sup>13</sup> For it is quite possible that the Sammuramit married to Vul-lush III. was a Babylonian princess, the last descendant of a long line

<sup>10</sup> See the Inscription in the *British Museum Series*, vol. i. Pl. 35, No. II.

<sup>11</sup> See vol. i. p. 492.

<sup>12</sup> Herod. i. 184.

<sup>13</sup> This date is obtained by adopting the estimate of three generations to a century, which was familiar to Herodotus (ii. 142), and counting six generations between Semiramis and Labyntus

(the supposed son of Nitocris), whose reign commenced B.C. 555, according to the Canon of Ptolemy. The date thus produced is not quite high enough for the reign of Vul-lush III., but it approaches sufficiently near to make it probable that the Semiramis of Herodotus and the Sammuramit of the Nebo statues are one and the same person.

of kings, whom the Assyrian monarch wedded, to confirm through her his title to the southern provinces; in which case a portion of his subjects would regard her as their legitimate sovereign, and only recognise his authority as secondary and dependent upon hers. The exaggeration in which Orientals indulge, with a freedom that astonishes the sober nations of the West, would seize upon the unusual circumstance of a female having possessed a conjoint sovereignty, and would gradually group round the name a host of mythic details,<sup>14</sup> which at last accumulated to such an extent that, to prevent the fiction from becoming glaring, the queen had to be thrown back into mythic times, with which such details were in harmony. The Babylonian wife of Vul-lush III., who gave him his title to the regions of the south, and reigned conjointly with him both in Babylonia and Assyria, became first a queen of Babylon ruling independently and alone,<sup>1</sup> and then an Assyrian Empress, the conqueror of Egypt and Ethiopia,<sup>2</sup> the invader of the distant India,<sup>3</sup> the builder of Babylon,<sup>4</sup> and the constructor of all the great works which were anywhere to be found in Western Asia.<sup>5</sup> The grand figure thus produced imposed upon the uncritical ancients, and was accepted even by the moderns for many centuries. At length the school of Heeren<sup>6</sup> and Niebuhr,<sup>7</sup> calling common sense to their aid, pronounced the figure a myth. It remained for the patient explorers of the field of Assyrian antiquity in our own day to discover the slight basis of fact on which the myth was founded, and to substitute for the shadowy marvel of Ctesias a very prosaic and commonplace princess, who, like Atossa or Elizabeth of York, strengthened her husband's title to his crown, but who never really made herself conspicuous by either great works or by exploits.

<sup>14</sup> See Diod. Sic. ii. 4, where Semiramis is made the daughter of the Syrian goddess Derceto; and ii. 20, where she is said to have been turned into a dove and to have flown away from earth to heaven. Compare Mos. Chor. Hist. Armen. i. 14 *et seq.*, and the whole narrative in Diodorus (ii. 4-20), which is full of extravagances.

<sup>1</sup> Herod. i. s. c.      <sup>2</sup> Diod. Sic. ii. 14.

<sup>3</sup> Ibid. ii. 18.      <sup>4</sup> Ibid. ii. 7-10.

<sup>5</sup> Ibid. ii. 11, 13, 14, &c.; Mos. Choren. Hist. Arm. i. 15; Strab. xi. p. 529, xii. p. 559.

<sup>6</sup> *Manual of Ancient History*, Book i. p. 26, E. T.

<sup>7</sup> *Vorträge über alte Geschichte*, vol. i. p. 27.



With Vul-lush III. the glories of the Nimrud line of monarchs come to a close, and Assyrian history is once more shrouded in a partial darkness for a space of nearly forty years, from B.C. 781 to B.C. 745. The Assyrian Canon shows us that three monarchs bore sway during this interval — Shalmaneser III., who reigned from B.C. 781 to B.C. 771, Asshur-dayan III., who reigned from B.C. 771 to B.C. 753, and Asshur-lush, who held the throne from the last-mentioned date to B.C. 745, when he was succeeded by the second Tiglath-Pileser. The brevity of these reigns, which average only twelve years apiece, is indicative of troublous times, and of a disputed, or, at any rate, a disturbed succession. The fact that none of the three monarchs left buildings of any importance, or, so far as appears, memorials of any kind, marks a period of comparative decline, during which there was a pause in the magnificent course of Assyrian conquests, which had scarcely known a check for above a century.<sup>8</sup> The causes of the temporary inaction and apparent decline of a power which had so long been steadily advancing, would form an interesting subject of speculation to the political philosopher; but they are too obscure to be investigated here, where our space only allows us to touch rapidly on the chief known facts of the Assyrian history.

One important difficulty presents itself, at this point of the narrative, in an apparent contradiction between the native records of the Assyrians and the casual notices of their history contained in the Second Book of Kings. The Biblical Pul — the “king of Assyria” who came up against the land of Israel, and received from Menahem a thousand talents of silver, “that his hand might be with him to confirm the kingdom in his hand,”<sup>9</sup> is unnoticed in the native inscriptions, and even seems to be excluded from the royal lists by the absence of any name at all resembling his in the proper place in the famous Canon.<sup>10</sup>

<sup>8</sup> From the accession of Asshur-izir-pal to the death of Vul-lush III. is above a century (103 years).

<sup>9</sup> 2 Kings xv. 19.

<sup>10</sup> Until the discovery of the Assyrian Canon had furnished us with three kings between Vul-lush III. and Tig-

lath-Pileser II., thus separating their reigns by a space of 36 years, it was thought that Vul-lush III. might possibly represent the Biblical Pul, the two names not being so very different. (See the author's *Herodotus*, vol. i. p. 382.) The identification was never very satis-

Pul appears in Scripture to be the immediate predecessor of Tiglath-Pileser. At any rate, as his expedition against Menahem is followed within (at the utmost) thirty-two years<sup>11</sup> by an expedition of Tiglath-Pileser against Pekah, his last year (if he was indeed a king of Assyria) cannot have fallen earlier than thirty-two years before Tiglath-Pileser's first. In other words, if the Hebrew numbers are historical, some portion of Pul's reign must necessarily fall into the interval assigned by the Canon to the kings for which it is the sole authority—Shalmaneser III., Asshur-dayan III., and Asshur-lush. But these names are so wholly unlike the name of Pul that no one of them can possibly be regarded as its equivalent, or even as the original from which it was corrupted. Thus the Assyrian records do not merely omit Pul, but exclude him; and we have to inquire how this can be accounted for, and who the Biblical Pul is, if he is not a regular and recognised Assyrian monarch.

Various explanations of the difficulty have been suggested. Some would regard Pul as a general of Tiglath-Pileser (or of some earlier Assyrian king), mistaken by the Jews for the actual monarch. Others would identify him with Tiglath-Pileser himself.<sup>12</sup> But perhaps the most probable supposition is, that he was a pretender to the Assyrian crown, never ac-

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factory, for the phonetic value of all the three elements which make up the name read as Vul-lush is very uncertain. Chronological considerations have now induced the advocates of the identity to give it up.

<sup>11</sup> The argument is here based upon the Scriptural numbers *only*. As Menahem reigned 10 years, Pekahiah 2 years, and Pekah 20, if Pul's expedition had fallen in Menahem's first year, and Tiglath-Pileser's in Pekah's last, they would have been separated at the utmost by a space of 32 years. We shall hereafter show reasons for thinking that in fact they were separated by no longer an interval than 18 or 20 years.

<sup>12</sup> See the *Athenæum* for Aug. 22, 1863 (No. 1869, p. 245). The chief arguments for the identity are, 1. The fact that Scripture mentions Pul's taking tribute from Menahem, but says nothing

of tribute being taken from him by Tiglath-Pileser, while the Assyrian monuments mention that Tiglath-Pileser took tribute from him, but say nothing of Pul. 2. The improbability (?) that two consecutive kings of Assyria could have pushed their conquests to the distant land of Judæa during the short reign of Menahem. 3. The way in which Pul and Tiglath-Pileser are coupled together in 2 Chron. v. 26, as if they were one and the same individual (?), or at any rate were acting together; and, 4. The fact that in the Syriac and Arabic versions of this passage one name only is given instead of the two. To me these arguments do not appear to be of much weight. I think that neither the writer of Chronicles nor the writer of Kings could possibly have expressed themselves as they have if they regarded Pul and Tiglath-Pileser as the same person.

knowledge at Nineveh, but established in the western (and southern<sup>13</sup>) provinces so firmly, that he could venture to conduct an expedition into Lower Syria, and to claim there the fealty of Assyria's vassals. Or possibly he may have been a Babylonian monarch, who in the troublous times that had now evidently come upon the northern empire, possessed himself of the Euphrates valley, and thence descended upon Syria and Palestine. Berosus, it must be remembered, represented Pul as a *Chaldæan* king;<sup>14</sup> and the name itself, which is wholly alien to the ordinary Assyrian type,<sup>15</sup> has at least one counterpart among known Babylonian names.<sup>16</sup>

The time of Pul's invasion may be fixed, by combining the Assyrian and the Hebrew chronologies, within very narrow limits. Tiglath-Pileser relates that he took tribute from Menahem in a war which lasted from his fourth to his eighth year, or from B.C. 742 to B.C. 738. As Menahem only reigned ten years, the earliest date that can be assigned to Pul's expedition will be B.C. 752,<sup>17</sup> while the latest possible date will be B.C. 746, the year before the accession of Tiglath-Pileser. In any case the expedition falls within the eight years assigned by the Assyrian Canon to the reign of Asshur-lush, Tiglath-Pileser's immediate predecessor.

It is remarkable that into this interval falls also the famous era

<sup>13</sup> See the next note.

<sup>14</sup> See Euseb. *Chron. Can.* Pars I<sup>ma</sup>, c. iv. "Post hos ait extitisse *Chaldæorum regem*, cui nomen Phulus erat." Eusebius makes the quotation from Polyhistor; but Polyhistor's authority beyond a doubt was Berosus. Pul therefore must have figured in the Babylonian annals, either as a native king, or as an Assyrian who had borne sway over Chaldæa.

<sup>15</sup> Assyrian names are almost always compounds, consisting of two, three, or more elements. It is difficult to make two elements out of Pul. There is, however, it must be granted, an Assyrian Eponym in the Canon, whose name is not very far from Pul, being Palaya, or Palluya ("my son"). The same name was borne by a grandson of Merodach-Baladan. Mr. G. Smith, moreover, in-

forms me that he has found Pulu as the name of an ordinary Assyrian on a tablet.

<sup>16</sup> The "Porus" of Ptolemy's Canon is a name closely resembling the "Phulus" of Polyhistor. The one would be in Hebrew פורס, the other is פולס.

<sup>17</sup> According to Ussher (see the marginal dates in our Bibles) Menahem reigned from B.C. 771 to B.C. 761, or twenty years earlier than this. Clinton lowers the dates by two years (*F. II.* vol. i. p. 325). Nine more may be deducted by omitting the imaginary "interregnum" between Pekah and Hoshea, which is contradicted by 2 K. xv. 30. The discrepancy, therefore, between the Assyrian Canon and the Hebrew numbers at this point does not exceed ten years.

of Nabonassar,<sup>1</sup> which must have marked some important change, dynastic or other, at Babylon. The nature of this change will be considered more at length in the Babylonian section. At present it is sufficient to observe that, in the declining condition of Assyria under the kings who followed Vul-lush III., there was naturally a growth of power and independence among the border countries. Babylon, repenting of the submission which she had made either to Vul-lush III., or to his father, Shamas-Vul II., once more vindicated her right to freedom, and resumed the position of a separate and hostile monarchy. Samaria, Damascus, Judæa, ceased to pay tribute. Enterprising kings, like Jero-boam II. and Menahem, taking advantage of Assyria's weakness, did not content themselves with merely throwing off her yoke, but proceeded to enlarge their dominions at the expense of her feudatories.<sup>2</sup> Judging of the unknown from the known, we may assume that on the north and east there were similar defections to those on the west and south—that the tribes of Armenia and of the Zagros range rose in revolt, and that the Assyrian boundaries were thus contracted in every quarter.<sup>3</sup>

At the same time, within the limits of what was regarded as the settled Empire, revolts began to occur. In the reign of Asshur-dayan III. (B.C. 771-753), no fewer than three important insurrections are recorded—one at a city called Libzu, another at Arapkha, the chief town of Arrapachitis, and a third at Gozan, the chief city of Gauzanitis or Mygdonia. Attempts were made to suppress these revolts; but it may be doubted whether they were successful. The military spirit had declined; the monarchs had ceased to lead out their armies regularly year by year, preferring to pass their time in inglorious ease at their rich and luxurious capitals. Asshur-dayan III., during nine years of his eighteen, remained at home, undertaking no warlike enterprise. Asshur-lush, his successor, displayed even less of military vigour. During the eight years of his reign he took the field

<sup>1</sup> B.C. 747. The near synchronism of Tiglath-Pileser's accession (B.C. 745) with this date is remarkable, resulting as it does simply from the numbers in the Assyrian Canon, without any artifice or manipulation whatsoever.

<sup>2</sup> See 2 Kings xiv. 25-28; xv. 16.

<sup>3</sup> This general defection and depression is stated somewhat over-strongly by Herodotus (i. 95, 96).

twice only, passing six years in complete inaction. At the end of this time, Calah, the second city in the kingdom, revolted; and the revolution was brought about which ushered in the splendid period of the Lower Empire.

It was probably during the continuance of the time of depression,<sup>4</sup> when an unwarlike monarch was living in inglorious ease amid the luxuries and refinements of Nineveh, and the people, sunk in repose, gave themselves up to vicious indulgences more hateful in the eye of God than even the pride and cruelty which they were wont to exhibit in war, that the great capital was suddenly startled by a voice of warning in the streets — a voice which sounded everywhere, through corridor, and lane, and square, bazaar and caravanserai, one shrill monotonous cry — “Yet forty days, and Nineveh shall be overthrown.”<sup>5</sup> A strange wild man, clothed in a rough garment of skin,<sup>6</sup> moving from place to place, announced to the inhabitants their doom. None knew who he was or whence he had come; none had ever beheld him before; pale, haggard, travel-stained, he moved before them like a visitant from another sphere; and his lips still framed the fearful words — “Yet forty days, and Nineveh shall be overthrown.” Had the cry fallen on them in the prosperous time, when each year brought its tale of victories, and every nation upon their borders trembled at the approach of their arms, it would probably have been heard with apathy or ridicule, and would have failed to move the heart of the nation. But coming, as it did, when their glory had declined; when their enemies, having been allowed a breathing space, had taken courage and were acting on the offensive in many quarters; when it was thus perhaps quite within the range of probability that some one of their numerous foes might shortly appear in arms before the place, it struck them with fear and conster-

<sup>4</sup> The date of Jonah's preaching to the Ninevites has been much disputed. It has been placed as early as 860 (see our Bibles), or from that to B.C. 840 (Drake), which would throw it into a most flourishing Assyrian period, the reign of Shalmaneser II. Others have observed that it may as well belong to

the latter part of the reign of Jeroboam II. (Bailey), which would be about B.C. 780, according to the ordinary chronology, or about B.C. 760-750, according to the views of the present writer.

<sup>5</sup> Jonah iii. 4.

<sup>6</sup> This was the prophetic dress. (See 2 Kings i. 8, and Zech. xiii. 4.)

nation. The alarm communicated itself from the city to the palace; and his trembling attendants "came and told the king of Nineveh," who was seated on his royal throne in the great audience-chamber, surrounded by all the pomp and magnificence of his court. No sooner did he hear, than the heart of the king was touched, like that of his people; and he "arose from his throne, and laid aside his robe from him, and covered himself with sackcloth and sat in ashes."<sup>7</sup> Hastily summoning his nobles, he had a decree framed, and "caused it to be proclaimed and published through Nineveh, by the decree of the king and his nobles, saying, Let neither man nor beast, herd nor flock, taste anything; let them not feed, nor drink water: but let man and beast<sup>8</sup> be covered with sackcloth, and cry mightily unto God: yea, let them turn every one from his evil way, and from the violence that is in their hands."<sup>9</sup> Then the fast was proclaimed, and the people of Nineveh, fearful of God's wrath, put on sackcloth "from the greatest of them even to the least of them."<sup>10</sup> The joy and merriment, the revelry and feasting of that great city were changed into mourning and lamentation; the sins that had provoked the anger of the Most High ceased; the people humbled themselves; they "turned from their evil way,"<sup>11</sup> and by a repentance, which, if not deep and enduring, was still real and unfeigned, they appeased for the present the Divine wrath. Vainly the prophet sate without the city, on its eastern side, under his booth woven of boughs,<sup>12</sup> watching, waiting, hoping (apparently) that the doom which he had announced would come, in spite of the people's repentance. God was more merciful than man. He had pity on the "great city," with its "six score thousand persons that could not discern between their right hand and their left,"<sup>13</sup> and, sparing the penitents, left their town to stand unharmed for more than another century.

The circumstances under which Tiglath-Pileser II. ascended the throne in the year B.C. 745 are unknown to us. No confi-

<sup>7</sup> Jonah iii. 6.

<sup>8</sup> On the custom of putting beasts in mourning, see above, p. 39, note <sup>1</sup>.

<sup>9</sup> Jonah iii. 7, 8.

<sup>10</sup> Ibid. verse 5.

<sup>11</sup> Ibid. verse 10.

<sup>12</sup> Ibid. iv. 5.

<sup>13</sup> Ibid. verse 11. On the meaning of the phrase see vol. i. pp. 251, 252.

dence can be placed in the statement of Bion<sup>1</sup> and Polyhistor,<sup>2</sup> which seems to have been intended to refer to this monarch, whom they called Belêtaras—a corruption perhaps of the latter half of the name<sup>3</sup>—that he was, previously to his elevation to the royal dignity, a mere vine-dresser, whose occupation was to keep in order the gardens of the king. Similar tales of the low origin of self-raised and usurping monarchs are too common in the East, and are too often contradicted by the facts, when they become known to us,<sup>4</sup> for much credit to attach to the story told by these late writers, the earlier of whom must have written five or six hundred years after Tiglath-Pileser's time.<sup>5</sup> We might, however, conclude, without much chance of mistake, from such a story being told, that the king intended acquired the throne irregularly; that either he was not of the blood royal, or that, being so, he was at any rate not the legitimate heir. And the conclusion at which we should thus arrive is confirmed by the monarch's inscriptions; for though he speaks repeatedly of "the kings his fathers," and even calls the royal buildings at Calah "the palaces of his fathers," yet he never mentions his actual father's name in any record that has come down to us. Such a silence is so contrary to the ordinary practice of Assyrian monarchs, who glory in their descent and parade it on every possible occasion, that, where it occurs, we are justified in concluding the monarch to have been an usurper, deriving his title to the crown, not from his ancestry or from any law of succession, but from a successful revolution, in

<sup>1</sup> *Fr. Hist. Gr.* vol. iv. p. 351.

<sup>2</sup> *Ibid.* vol. iii. p. 210.

<sup>3</sup> The native form is *Pal-tsira*, or *Palli-tsir* (Oppert), whence Beletar, by a change of the initial *tenuis* into the *media*, and a hardening of the dental sibilant.

<sup>4</sup> Compare the stories of Gyges, Cyrus, Amasis, &c. Gyges, the herdsman of Plato (*Rep.* ii. 3), and the guardsman of Herodotus (i. 8), appears in the narrative of Nicolaus Damascenus, who probably follows the native historian Xanthus, as a member of the noblest house in the

kingdom next to that of the monarch (Nic. Dam. *Fr.* 49). Cyrus, son (according to Herodotus, i. 107) of an ordinary Persian noble, declare himself to have been the son of a "powerful king." (See the author's *Herodotus*, vol. i. p. 200, note<sup>9</sup>, 2nd edit.) There are good grounds for believing that the low birth of Amasis is likewise a fiction. (*Ibid.* vol. ii. p. 222, note<sup>7</sup>.)

<sup>5</sup> Bion's date is uncertain, but it probably was not much before B.C. 200. (See the remarks of C. Müller in the *Fr. Hist. Gr.* vol. iv. p. 347.)

which he played the principal part. It matters little that such a monarch, when he is settled upon the throne, claims, in a vague and general way, connection with the kings of former times. The claim may often have a basis of truth; for in monarchies where polygamy prevails, and the kings have numerous daughters to dispose of, almost all the nobility can boast that they are of the blood royal. Where the claim is in no sense true, it will still be made; for it flatters the vanity of the monarch, and there is no one to gainsay it. Only in such cases we are sure to find a prudent vagueness — an assertion of the fact of the connection, expressed in general terms, without any specification of the particulars on which the supposed fact rests.

On obtaining the crown — whatever the circumstances under which he obtained it — Tiglath-Pileser immediately proceeded to attempt the restoration of the Empire by engaging in a series of wars, now upon one, now upon another frontier, seeking by his unwearied activity and energy to recover the losses suffered through the weakness of his predecessors, and to compensate for their laches by a vigorous discharge of all the duties of the kingly office. The order of these wars, which formerly it was impossible to determine, is now fixed by means of the Assyrian Canon, and we may follow the course of the expeditions conducted by Tiglath-Pileser II. with as much confidence and certainty as those of Tiglath-Pileser I., Asshur-izir-pal, or the second Shalmaneser. It is scarcely necessary, however, to detain the reader by going through the entire series. The interest of Tiglath-Pileser's military operations attaches especially to his campaigns in Babylonia and in Syria, where he is brought into contact with persons otherwise known to us. His other wars are comparatively unimportant. Under these circumstances it is proposed to consider in detail only the Babylonian and Syrian expeditions, and to dismiss the others with a few general remarks on the results which were accomplished by them.

Tiglath-Pileser's expeditions against Babylon were in his first and in his fifteenth years, B.C. 745 and 731. No sooner did he find himself settled upon the throne, than he levied an



army, and marched against Southern Mesopotamia,<sup>6</sup> which appears to have been in a divided and unsettled condition. According to the Canon of Ptolemy, Nabonassar then ruled in Babylon. Tiglath-Pileser's annals confuse the accounts of his two campaigns; but the general impression which we gather from them is that, even in B.C. 745, the country was divided up into a number of small principalities, the sea-coast being under the dominion of Merodach-Baladan, who held his court in his father's city of Bit-Yakin;<sup>7</sup> while in the upper region there were a number of petty princes, apparently independent, among whom may be recognised names which seem to occur later in Ptolemy's list,<sup>8</sup> among the kings of Babylon to whom he assigns short reigns in the interval between Nabonassar and Mardocempalus (Merodach-Baladan). Tiglath-Pileser attacked and defeated several of these princes, taking the towns of Kur-Galzu (now Akkerkuf), and Sippara or Sepharvaim, together with many other places of less consequence in the lower portion of the country, after which he received the submission of Merodach-Baladan, who acknowledged him for suzerain, and consented to pay an annual tribute. Tiglath-Pileser upon this assumed the title of "King of Babylon" (B.C. 729), and offered sacrifice to the Babylonian gods in all the principal cities.<sup>9</sup>

The first Syrian war of Tiglath-Pileser was undertaken in his third year (B.C. 743), and lasted from that year to his eighth. In the course of it he reduced to subjection Damascus, which had regained its independence,<sup>10</sup> and was under the government of Rezin; Samaria, where Menahem, the adversary of Pul, was still reigning; Tyre, which was under a monarch bearing the

<sup>6</sup> This fact is stated on a mutilated tablet belonging to Tiglath-Pileser's reign.

<sup>7</sup> Merodach-Baladan is called "the son of Yakin" in the Assyrian Inscriptions. His capital, Bit-Yakin, had apparently been built by, and named after, his father. Compare Bit-Omri (*i.e.* Samaria), Bit-Sargina, &c. It has been suggested that Yakin may be intended by Jugæus, if that be the true reading, in Ptolemy's Canon.

When Merodach-Baladan is called "the son of Baladan" in 2 Kings xx. 12, and Is. xxxix. 1, the reference is probably to a grandfather or other ancestor.

<sup>8</sup> As *Nadina*, who would seem to be Nadius; and *Zakiru*, who may possibly be Chinzirus.

<sup>9</sup> Babylon, Borsippa, Nipur, Cutha, Erech, Kis, and Dilmun. Compare the conduct of Vul-lush III. (*supra*, p. 116).

<sup>10</sup> See above, p. 116.

familiar name of Hiram;<sup>11</sup> Hamath, Gebal, and the Arabs bordering upon Egypt, who were ruled by a queen<sup>12</sup> called Khabiba. He likewise met and defeated a vast army under Azariah (or Uzziah), king of Judah, but did not succeed in inducing him to make his submission. It would appear by this that Tiglath-Pileser at this time penetrated deep into Palestine, probably to a point which no Assyrian king but Vul-lush III. had reached previously. But it would seem, at the same time, that his conquests were very incomplete; they did not include Judæa or Philistia, Idumæa, or the tribes of the Hauran; and they left untouched the greater number of the Phœnician cities. It causes us, therefore, no surprise to find that in a short time, B.C. 734, he renewed his efforts in this quarter, commencing by an attack on Samaria, where Pekah was now king, and taking "Ijon, and Abel-beth-maachah, and Janoah, and Kedesh, and Hazor, and Gilead, and Galilee, and all the land of Naphtali, and carrying them captive to Assyria,"<sup>13</sup> thus "lightly afflicting the land of Zebulun and the land of Naphtali,"<sup>1</sup> or the more northern portion of the Holy Land, about Lake Merom, and from that to the Sea of Gennesareth.

This attack was followed shortly (B.C. 733) by the most important of Tiglath-Pileser's Syrian wars. It appears that the common danger, which had formerly united the Hittites, Hamathites, and Damascenes in a close alliance,<sup>2</sup> now caused a league to be formed between Damascus and Samaria, the sovereigns of which — Pekah and Rezin — made an attempt to add Judæa to their confederation, by declaring war against Ahaz, attacking his territory, and threatening to substitute in his place as king of Jerusalem a creature of their own, "the son

<sup>11</sup> Besides the great Hiram, the friend of Solomon, there is a Tyrian king of the name mentioned by Menander as contemporary with Cyrus (Fr. 2); and another occurs in Herodotus (vii. 98), who must have been contemporary with Darius Hystaspis.

<sup>12</sup> The Arabs of the tract bordering on Egypt seem to have been regularly governed by queens. Three such are mentioned in the Inscriptions. As these

Arabs were near neighbours of the Sabaæans, it is suggested that the queen of Sheba came from their country, which was in the neighbourhood of Sinai. (See *Transactions of the Royal Society of Literature*, vol. vii. New Series, p. 14.)

<sup>13</sup> 2 Kings xv. 29.

<sup>1</sup> Isaiah ix. 1. This war is slightly alluded to in the inscriptions of Tiglath-Pileser; but no details are given.

<sup>2</sup> See above, p. 103.

of Tabeal.”<sup>3</sup> Hard pressed by his enemies, Ahaz applied to Assyria, offering to become Tiglath-Pileser’s “servant”—*i.e.* his vassal and tributary—if he would send troops to his assistance, and save him from the impending danger.<sup>4</sup> Tiglath-Pileser was not slow to obey this call. Entering Syria at the head of an army, he fell first upon Rezin, who was defeated, and fled to Damascus, where Tiglath-Pileser besieged him for two years, at the end of which time he was taken and slain.<sup>5</sup> Next he attacked Pekah, entering his country on the north-east, where it bordered upon the Damascene territory, and, overrunning the whole of the Trans-Jordanic provinces, together (apparently) with some portion of the Cis-Jordanic region. The tribes of Reuben and Gad, and the half-tribe of Manasseh, who had possessed the country between the Jordan and the desert from the time of Moses, were seized and carried away captive by the conqueror, who placed them in Upper Mesopotamia, on the affluents of the Bilikh and the Khabour,<sup>6</sup> from about Harran to Nisibis.<sup>7</sup> Some cities situated on the right bank of the Jordan, in the territory of Issachar, but belonging to Manasseh, were at the same time seized and occupied. Among these, Megiddo in the great plain of Esdraelon, and Dur or Dor upon the coast,<sup>8</sup> some way below Tyre, were the most important. Dur was even thought of sufficient consequence to receive an Assyrian governor at the same time with the other principal cities of Southern Syria.<sup>9</sup>

After thus chastising Samaria, Tiglath-Pileser appears to

<sup>3</sup> Isa. vii. 1-6. Comp. 2 Kings xvi. 5.

<sup>4</sup> 2 Kings xvi. 7.

<sup>5</sup> 2 Kings xvi. 9. There is an imperfect notice of the defeat and death of Rezin in a mutilated inscription now in the British Museum.

<sup>6</sup> 2 Chron. v. 26. That Tiglath-Pileser attacked Pekah twice seems to follow from the complete difference between the localities mentioned in 2 Kings xv. 29, and 2 Chron. v. 26. In Isaiah ix. 1, both expeditions seem to be glanced at.

<sup>7</sup> That the Gozan of Scripture was this country is apparent enough from Scripture itself, which joins it with (Halah Chalcitis of Ptolemy), Habor (the Khabour), Haran (Harran or

Carrhæ), Rezeph, and Eden (Beth-Adini). It is confirmed by the Assyrian inscriptions, which connect Guzan with Nisibis.

<sup>8</sup> Megiddo and Dora are mentioned under the forms of *Magidu* and *Duru* among the Syrian cities tributary to Tiglath-Pileser. They are joined to a place called *Manatsuah*, which now for the first time appears in the lists, and which probably represents the land of Manasseh.

<sup>9</sup> The south-western limit of Assyria was now advanced to about lat. 32° 30'. Dur and Megiddo seem to have been her frontier towns.

have passed on to the south, where he reduced the Philistines and the Arab tribes, who inhabited the Sinaitic desert as far as the borders of Egypt. Over these last he set, in lieu of their native queen, an Assyrian governor. He then returned towards Damascus, where he held a court, and invited the neighbouring states and tribes to send in their submission. The states and tribes responded to his invitation. Tiglath-Pileser, before quitting Syria, received submission and tribute not only from Ahaz, king of Judah,<sup>10</sup> but also from Mit'enna,<sup>11</sup> king of Tyre; Pekah, king of Samaria; Khanun, king of Gaza; and Mitinti, king of Ascalon; from the Moabites, the Ammonites, the people of Arvad or Aradus, and the Idumæans. He thus completely re-established the power of Assyria in this quarter,<sup>12</sup> once more recovering to the Empire the entire tract between the coast and the desert from Mount Amanus on the north to the Red Sea and the confines of Egypt.

One further expedition was led or sent by Tiglath-Pileser into Syria, probably in his last year. Disturbances having occurred from the revolt of Mit'enna of Tyre, and the murder of Pekah of Israel by Hoshea, an Assyrian army marched westward, in B.C. 728, to put them down. The Tyrian monarch at once submitted; and Hoshea, having entered into negotiations, agreed to receive investiture into his kingdom at the hands of the Assyrians, and to hold it as an Assyrian territory. On these terms peace was re-established, and the army of Tiglath-Pileser retired and recrossed the Euphrates.

<sup>10</sup> 2 Kings xvi. 10. Tiglath-Pileser records his reception of tribute from a king of Judah whom he calls *Yahu-khazi*, or Jehoahaz. It was at one time suggested that the monarch intended might be Uzziah, whose name would become Jehoahaz by a metathesis of the two elements; but the late date of the tribute-giving, which was certainly towards the close of Tiglath-Pileser's reign, renders this impossible. *Yahu-khazi* must represent Ahaz. It has been suggested that Jehoahaz was the monarch's real appellation, and that the Jews dropped the initial element because they were unwilling to profane the sacred name of Jehovah by connecting

it with so wicked a monarch; but perhaps it is more probable that the name was changed by Tiglath-Pileser, when Ahaz became his tributary, just as the name of Eliakim was turned by Necho to Jehoiakim (2 Kings xxiii. 34), and that of Mattaniah to Zedekiah by Nebuchadnezzar (ibid. xxiv. 17). His impetries may have prevented the Jews from recognising the change of name as legitimate, and made them still call him simply Ahaz.

<sup>11</sup> Compare the *Matgenus* (Μάτγηνος) of Menander, the father of Pygmalion and Dido (Fr. 1).

<sup>12</sup> See above, p. 117.

Besides conducting these various campaigns, Tiglath-Pileser employed himself in the construction of some important works at Calah, which was his usual and favourite residence. He repaired and adorned the palace of Shalmaneser II., in the centre of the Nimrud mound; and he built a new edifice at the south-eastern corner of the platform, which seems to have been the most magnificent of his erections. Unfortunately, in neither case were his works allowed to remain as he left them. The sculptures with which he adorned Shalmaneser's palace were violently torn from their places by Esar-haddon, and, after barbarous ill-usage,<sup>13</sup> were applied to the embellishment of his own residence by that monarch. The palace which he built at the south-eastern corner of the Nimrud mound, was first ruined by some invader, and then built upon by the last Assyrian king. Thus the monuments of Tiglath-Pileser II. come to us in a defaced and unsatisfactory condition, rendering it difficult for us to do full justice either to his architectural conceptions or to his taste in ornamentation. We can see, however, by the ground plan of the building which Mr. Loftus uncovered beneath the ruins of Mr. Layard's south-east palace,<sup>14</sup> that the great edifice of Tiglath-Pileser was on a scale of grandeur little inferior to that of the ancient palaces, and on a plan very nearly similar. The same arrangement of courts and halls and chambers, the same absence of curved lines or angles other than right angles, the same narrowness of rooms in comparison with their length, which have been noted in the earlier buildings,<sup>15</sup> prevailed also in those of this king. With regard to the sculptures with which, after the example of the former monarchs, he ornamented their walls, we can only say they seem to have been characterised by simplicity of treatment—the absence of all ornamentation, except fringes, from the dresses, the total omission of backgrounds, and (with few exceptions) the limitation of the markings to the mere outlines of forms. The

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<sup>13</sup> They were often partially destroyed, in order to reduce the size of the stone and make it fit into a given place in Esar-haddon's wall. (See Layard, *Monuments*, 1st Series, p. 14.)

<sup>14</sup> This plan is exhibited in the basement story of the British Museum.

<sup>15</sup> *Supra*, vol. i. pp. 281–285.

drawing is rather freer and more spirited than that of the sculptures of Asshur-izir-pal; animal forms, as camels, oxen, sheep, and goats, are more largely introduced, and there is somewhat less formality in the handling.<sup>1</sup> But the change is in no respect very decided, or such as to indicate an era in the progress of art.

Tiglath-Pileser appears, by the Assyrian Canon, to have had a reign of eighteen years. He ascended the throne in B.C. 745, and was succeeded in B.C. 727 by Shalmaneser, the fourth monarch who had borne that appellation.

It is uncertain whether Shalmaneser IV. was related to Tiglath-Pileser or not. As, however, there is no trace of the succession having been irregular or disputed, it is most probable that he was his son. He ascended the throne in B.C. 727, and ceased to reign in B.C. 722, thus holding the royal power for less than six years. It was probably very soon after his accession, that, suspecting the fidelity of Samaria, he "came up" against Hoshea, king of Israel, and, threatening him with condign punishment, so terrified him that he made immediate submission.<sup>2</sup> The arrears of tribute were rendered, and the homage due from a vassal to his lord was paid; and Shalmaneser either returned into his own country or turned his attention to other enterprises.<sup>3</sup> But shortly afterwards he learnt that Hoshea, in spite of his submission and engagements, was again contemplating defection; and, conscious of his own weakness, was endeavouring to obtain a promise of support from an enterprising monarch who ruled in the neighbouring country of Egypt.<sup>4</sup> The Assyrian conquests in this quarter had long been tending to bring them into collision with the great power of

<sup>1</sup> For representations of Tiglath-Pileser's sculptures, see Mr. Layard's *Monuments*, 1st Series, Plates 57 to 67; and compare, in vol. i. of this work, the woodcut on p. 242, the second woodcut on p. 243, and the woodcuts on pp. 376 and 404.

<sup>2</sup> 2 Kings xvii. 3. "Against him came up Shalmaneser, king of Assyria; and Hoshea became his servant and gave him

presents," or "rendered him tribute" (marginal rendering).

<sup>3</sup> It was probably now that Shalmaneser made his general attack upon Phœnicia. (*Infra*, p. 137.)

<sup>4</sup> 2 Kings xvii. 4. "And the king of Assyria found conspiracy in Hoshea; for he had sent messengers to So, king of Egypt, and brought no present to the king of Assyria, as he had done year by year.

Eastern Africa, which had once held,<sup>5</sup> and always coveted,<sup>6</sup> the dominion of Syria. Hitherto such relations as they had had with the Egyptians appear to have been friendly. The weak and unwarlike Pharaohs who about this time bore sway in Egypt had sought the favour of the neighbouring Asiatic power by demanding Assyrian princesses in marriage and affecting Assyrian names for their offspring.<sup>7</sup> But recently an important change had occurred.<sup>8</sup> A brave Ethiopian prince had descended the valley of the Nile at the head of a swarthy host, had defeated the Egyptian levies, had driven the reigning monarch into the marshes of the Delta, or put him to a cruel death,<sup>9</sup> and had established his own dominion firmly, at any rate, over the upper country. Shebek the First bore sway in Memphis in lieu of the blind Bocchoris;<sup>10</sup> and Hoshea, seeing in this bold and enterprising king the natural foe of the Assyrians,<sup>11</sup> and therefore his own natural ally and friend, "sent messengers" with proposals, which appear to have been accepted; for on their return Hoshea revolted openly, withheld his tribute, and declared himself independent. Shalmaneser, upon this, came up against Samaria for the second time, determined now to punish his vassal's perfidy with due severity. Apparently, he was unresisted; at any rate, Hoshea fell into his power, and

<sup>5</sup> Several kings of the 18th and 19th dynasties seem to have ruled over Syria, and even to have made war across the Euphrates in Western Mesopotamia. (See Wilkinson in the author's *Herodotus*, vol. ii. pp. 302-305 and p. 311; and compare Sir H. Rawlinson's *Illustrations of Egyptian History*, published in the *Transactions of the Royal Society of Literature*, vol. vii. New Series.)

<sup>6</sup> The invasions of Shishak (Sheshonk) and Zerah (Osorkon) show that the idea of annexing Syria continued even during a period of comparative depression.

<sup>7</sup> Vide *supra*, p. 82.

<sup>8</sup> If we were obliged to follow Manetho's dates, as reported to us through Eusebius and Africanus, we should have to place the accession of the first Sabaco 22 or 24 years only before Tirhakah, B.C. 712 or 714. But the Apis *stelæ* have shown that Manetho's numbers are

not to be trusted; and it is allowable therefore to assign to the two Ethiopian kings who preceded Tirhakah ordinary reigns of (say) 20 years each, which would bring the Ethiopian conquest to B.C. 730.

<sup>9</sup> Manetho stated that Bocchoris the Saite was burnt alive by Sabaco I. (Euseb. *Chr. Can.* i. p. 104.) Herodotus gave a different account (ii. 137-140).

<sup>10</sup> According to Herodotus, the native king whom Sabaco superseded (called by him Anysis) was blind. Diodorus calls Bocchoris τῷ σώματι παντελῶς εὐκαταφρόνητον, but does not specify any particular infirmity. (Diod. Sic. i. 65, § 1.)

<sup>11</sup> That the So, or rather Sevel (MS), of 2 Kings xvii. 4, represents the Egyptian name Shebek is the general opinion of commentators. It is not perhaps quite certain, but it is highly probable.

was seized, bound, and shut up in prison. A year or two later<sup>12</sup> Shalmaneser made his third and last expedition into Syria. What was the provocation given him, we are not told; but this time, he "came up *throughout all the land*,"<sup>13</sup> and, being met with resistance, he laid formal siege to the capital. The siege commenced in Shalmaneser's fourth year, B.C. 724, and was protracted to his sixth, either by the efforts of the Egyptians, or by the stubborn resistance of the inhabitants. At last, in B.C. 722, the town surrendered, or was taken by storm;<sup>14</sup> but before this consummation had been reached, Shalmaneser's reign would seem to have come to an end in consequence of a successful revolution.

While he was conducting these operations against Samaria, either in person or by means of his generals, Shalmaneser appears to have been also engaged in hostilities with the Phœnician towns. Like Samaria, they had revolted at the death of Tiglath-Pileser; and Shalmaneser, consequently, marched into Phœnicia at the beginning of his reign, probably in his first year, overran the entire country,<sup>15</sup> and forced all the cities to resume their position of dependence. The island Tyre, however, shortly afterwards shook off the yoke. Hereupon Shalmaneser "returned"<sup>16</sup> into these parts, and collecting a fleet from Sidon, Palæ-Tyrus, and Akko, the three most important of the Phœnician towns after Tyre, proceeded to the attack of the revolted place. His vessels were sixty in number, and were manned by eight hundred Phœnician rowers, co-operating with, probably, a smaller number of unskilled Assyrians.<sup>1</sup> Against

<sup>12</sup> It has not been generally seen that there is an interval of time between verses 4 and 5 of 2 Kings xvii.; yet this is sufficiently clear to an attentive reader.

<sup>13</sup> 2 Kings xvii. 4.

<sup>14</sup> So Josephus. Εἶλε κατὰ κράτος τὴν Σαμαρίαν. (*Ant. Jud.* ix. 13.)

<sup>15</sup> Ἐπῆλθε Φοινίκην πολεμῶν ἀπασαν. (Menand. *Eph. ap. Joseph. Ant. Jud.* ix. 14.)

<sup>16</sup> Ὑπέστρεψε. (*Ibid.*)

<sup>1</sup> Menander speaks of the Phœnicians as "helping to man the sixty ships"

συμπληρωσάντων αὐτῶν ναῦς ἑξήκοντα). It is uncertain how many rowers the Phœnician vessels of this time required. In Sargon's sculptures they are represented with only four or five rowers on each side; in Sennacherib's with eight, nine, or eleven, and also with two steersmen. Probably the latter representation is the more correct; and this would make the average number of rowers to be twenty. In that case each crew on this occasion would have been two-thirds Phœnician to one-third Assyrian.



this fleet the Tyrians, confiding in their maritime skill, sent out a force of twelve vessels only, which proved, however, quite equal to the occasion; for the assailants were dispersed and driven off, with the loss of 500 prisoners. Shalmaneser, upon this defeat, retired, and gave up all active operations, contenting himself with leaving a body of troops on the mainland, over against the city, to cut off the Tyrians from the supplies of water which they were in the habit of drawing from the river Litany, and from certain aqueducts which conducted the precious fluid from springs in the mountains. The Tyrians, it is said, held out against this pressure for five years, satisfying their thirst with rain water, which they collected in reservoirs. Whether they then submitted, or whether the attempt to subdue them was given up, is uncertain, since the quotation from Menander, which is our sole authority for this passage of history, here breaks off abruptly.<sup>2</sup>

The short reign of Shalmaneser IV. was, it is evident, sufficiently occupied by the two enterprises of which accounts have now been given—the complete subjugation of Samaria, and the attempt to reduce the island Tyre. Indeed, it is probable that neither enterprise had been concluded when a dynastic revolution, caused by the ambition of a subject, brought the unhappy monarch's reign to an untimely end. The conquest of Samaria is claimed by Sargon as an event of his first year; and the resistance of the Tyrians, if it really continued during the full space assigned to it by Menander, must have extended beyond the term of Shalmaneser's reign, into the first or second year of his successor.<sup>3</sup> It was probably the prolonged absence

<sup>2</sup> It has been usual to see in this Tyrian war of Shalmaneser's an expedition against Cyprus; and the author originally understood the passage in this sense (see his *Herodotus*, vol. ii. p. 234, note <sup>8</sup>). But he now thinks with Mr. Kenrick (*Phœnicia*, p. 379, note <sup>1</sup>), that, even if the present text of Josephus is correct, no Cyprian expedition is intended. At the same time he suspects that the words which cause the difficulty (Ἐπὶ τοὺς πέμπας ὁ τῶν Ἀσσυρίων βασιλεὺς) contain a wrong read-

ing. He would propose to change τοὺς into τοῦτον.

<sup>3</sup> Shalmaneser's first attack on Phœnicia may be assigned to his first year. The revolt of the island Tyre, and his naval attack on it, cannot fall earlier, but may easily have fallen later, than his second year. The blockade of the fountains might possibly be established in the autumn of that year (B.C. 726), in which case the five years of resistance would terminate in the autumn of B.C. 721, which is Sargon's second year.

of the Assyrian monarch from his capital, caused by the obstinacy of the two cities which he was attacking, that encouraged a rival to come forward and seize the throne; just as in the Persian history we shall find the prolonged absence of Cambyses in Egypt produce a revolution and change of dynasty at Susa. In the East, where the monarch is not merely the chief but the sole power in the state, the moving spring whose action must be continually exerted to prevent the machinery of government from standing still, it is always dangerous for the reigning prince to be long away from his metropolis. The Orientals do not use the language of mere unmeaning compliment when they compare their sovereigns with the sun,<sup>4</sup> and speak of them as imparting light and life to the country and people over which they rule. In the king's absence all languishes; the course of justice is suspended; public works are stopped; the expenditure of the Court, on which the prosperity of the capital mainly depends, being withdrawn, trade stagnates, the highest branches suffering most; artists are left without employment; workmen are discharged; wages fall; every industry is more or less deranged, and those engaged in it suffer accordingly; nor is there any hope of a return of prosperity until the king comes home. Under these circumstances a general discontent prevails; and the people, anxious for better times, are ready to welcome any pretender who will come forward, and, on any pretext whatever, declare the throne vacant, and claim to be its proper occupant. If Shalmaneser continued to direct in person the siege of Samaria during the three years of its continuance, we cannot be surprised that the patience of the Ninevites was exhausted, and that in the third year they accepted the rule of the usurper who boldly proclaimed himself king.

What right the new monarch put forward, what position he had previously held, what special circumstances, beyond the mere absence of the rightful king, facilitated his attempts, are

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<sup>4</sup> This is the probable origin of the title Pharaoh, which signifies *Ph' Ra*, of Oriental sovereigns are "the light of the Universe," "the brother of the Sun and Moon," and the like.

matters on which the monuments throw no light, and on which we must therefore be content to be ignorant. All that we can see is, that either personal merit or official rank and position must have enabled him to establish himself; for he certainly did not derive any assistance from his birth, which must have been mediocre, if not actually obscure. It is the custom of the Babylonian and Assyrian kings to glory in their ancestry, and when the father has occupied a decently high position, the son declares his sire's name and rank at the commencement of each inscription;<sup>5</sup> but Sargon never, in any record, names his father, nor makes the slightest allusion to his birth and descent, unless it be in vague phrases, wherein he calls the former kings of Assyria, and even those of Babylonia, his ancestors.<sup>6</sup> Such expressions seem to be mere words of course, having no historical value: and it would be a mistake even to conclude from them that the new king intended seriously to claim the connection of kindred with the monarchs of former times.

It has been thought, indeed, that Sargon, instead of cloaking his usurpation under some decent plea of right, took a pride in boldly avowing it. The name Sargon has been supposed to be one which he adopted as his royal title at the time of his establishment upon the throne, intending by the adoption to make it generally known that he had acquired the crown, not by birth or just claim, but by his own will and the consent of the people. Sargon, or Sar-gina, as the native name is read,<sup>7</sup> means "the firm" or "well-established king," and (it has been argued) "shows the usurper."<sup>1</sup> The name is certainly unlike the general run of Assyrian royal titles;<sup>2</sup> but still, as it is one which is found to have been previously borne by at least one private

<sup>5</sup> Nabonidus always styles himself "the son of Nebo-belatzu-ikbi, the Rab-Mag."

<sup>6</sup> See Oppert, *Inscriptions des Sargonides*, p. 31.

<sup>7</sup> M. Oppert now prefers the form *Saryukin*. (*Chronologie Biblique*, p. 20.) Mr. G. Smith regards *Sar-gina* as the Accadian and *Saru-kina* as the Assyrian form. (*Zeitschrift für ägyptische Sprache* for 1869, p. 93.)

<sup>1</sup> "Sargon (*Sar-kin*) veut dire, *roi de fait*, et indique l'usurpateur." (Oppert, *Inscriptions des Sargonides*, p. 8.)

<sup>2</sup> The religious character of the Assyrian royal names has been already repeatedly noticed. (*Supra*, pp. 13, 19, 22, &c.) They consist almost universally of two or three elements, forming a short sentence, and including the name or designation of a god. (See Appendix A, "On the Assyrian Royal Names.")

person in Assyria,<sup>3</sup> it is perhaps best to suppose that it was the monarch's real original appellation, and not assumed when he came to the throne; in which case no argument can be founded upon it.

Military success is the best means of confirming a doubtful title to the leadership of a warlike nation. No sooner, therefore, was Sargon accepted by the Ninevites as king than he commenced a series of expeditions, which at once furnished employment to unquiet spirits, and gave the prestige of military glory to his own name. He warred successively in Susiana, in Syria on the borders of Egypt, in the tract beyond Amanus, in Meliténé and Southern Armenia, in Kurdistan, in Media, and in Babylonia. During the first fifteen years of his reign, the space which his annals cover,<sup>4</sup> he kept his subjects employed in a continual series of important expeditions, never giving himself, nor allowing them, a single year of repose. Immediately upon his accession he marched into Susiana, where he defeated Humbanigas, the Elamitic king, and Merodach-Baladan, the old adversary of Tiglath-Pileser, who had revolted and established himself as king over Babylonia. Neither monarch was, however, reduced to subjection, though an important victory was gained, and many captives taken, who were transported into the country of the Hittites. In the same year, B.C. 722, he received the submission of Samaria, which surrendered, probably, to his generals, after it had been besieged two full years. He punished the city by depriving it of the qualified independence which it had enjoyed hitherto, appointing instead of a native king an Assyrian officer to be its governor, and further carrying off as slaves 27,280 of the inhabitants. On the remainder, however, he contented himself with re-imposing the rate of tribute to which the town had been liable before its revolt.<sup>5</sup> The next year,

<sup>3</sup> *Zeitschrift*, l. s. c. It had also been borne by an ancient Chaldean monarch, of whom mention is made in two or three places, but whose date cannot be fixed. In reference to this early king, the Assyrian Sargon is sometimes called *Sarukina-arku* — "the later Sargon."

<sup>4</sup> This is the usual estimate. M. Op-

pert regards the annals as covering sixteen years, from B.C. 721 to B.C. 706, inclusively.

<sup>5</sup> Sargon seems not to have effected the deportation of the Samaritans at once. Apparently he acted towards them as Sennacherib intended to act towards the Jews of Jerusalem. (2 Kings

B.C. 721, he was forced to march in person into Syria in order to meet and quell a dangerous revolt. Yahu-bid (or Ilu-bid), king of Hamath—a usurper, like Sargon himself—had rebelled, and had persuaded the cities of Arpad, Zimira,<sup>6</sup> Damascus, and Samaria to cast in their lot with his, and to form a confederacy, by which it was imagined that an effectual resistance might be offered to the Assyrian arms. Not content merely to stand on the defensive in their several towns, the allies took the field; and a battle was fought at Karkar or Gargar (perhaps one of the many Aroers<sup>7</sup>), where the superiority of the Assyrian troops was once more proved, and Sargon gained a complete victory over his enemies. Yahu-bid himself was taken and beheaded; and the chiefs of the revolt in the other towns were also put to death.

Having thus crushed the rebellion and re-established tranquillity throughout Syria, Sargon turned his arms towards the extreme south, and attacked Gaza, which was a dependency of Egypt. The exact condition of Egypt at this time is open to some doubt. According to Manetho's numbers, the twenty-fifth or Ethiopian dynasty had not yet begun to reign.<sup>8</sup> Bocchoris the Saite occupied the throne, a humane but weak prince, of a contemptible presence, and perhaps afflicted with blindness.<sup>9</sup> No doubt such a prince would tempt the attack of a powerful neighbour; and, so far, probability might seem to be in favour of the Manethonian dates. But, on the other hand, it must be remembered that Egypt had lately taken an aggressive attitude, incompatible with a time of weakness; she had intermeddled

xviii. 31, 32. "Thus saith the king of Assyria, Make an agreement with me by a present, and come out to me, and then eat ye every man of his own vine, and every one of his fig-tree, and drink ye every one the waters of his cistern, until I come to take you away to a land like your own land," &c.)

<sup>6</sup> The Simyra of the classical geographers, which was near Marathus. (Plin. *H. N.* v. 20; Mela, i. 12; &c.) The city is not mentioned in Scripture; but we hear in Genesis (x. 16) of the "Zemarites," in conjunction with the Hamathites and Arvadites.

<sup>7</sup> The Hebrew iteration of Aroer is אררר, which is very likely to be represented by Gargar, since the Hebrew *ain* is very nearly a *g*. On the position of the various Aroers, see Mr. Grove's article in Smith's *Biblical Dictionary*, vol. i. p. 115.

<sup>8</sup> Manetho placed the accession of the Ethiopian dynasty 191 or 193 years before the invasion of Cambyses, *i.e.* in B.C. 716 or 718.

<sup>9</sup> Supra, p. 136, note<sup>10</sup>. Bocchoris, according to Manetho, reigned either six or forty-four years!

between the Assyrian crown and its vassals, by entering into a league with Hoshea; and she had extended her dominion over a portion of Philistia,<sup>10</sup> thereby provoking a collision with the Great Power of the East. Again, it is worthy of note that the name of the Pharaoh who had dealings with Hoshea, if it does not seem at first sight very closely to resemble the Egyptian Shebek, is, at any rate, a possible representative of that word,<sup>11</sup> while no etymological skill can force it into agreement with any other name in this portion of the Egyptian lists. Further, it is to be remarked that at this point of the Assyrian annals, a Shebek appears in them,<sup>12</sup> holding a position of great authority in Egypt, though not dignified with the title of king. These facts furnish strong grounds for believing that the Manethonian chronology, which can be proved to be in many points incorrect,<sup>13</sup> has placed the accession of the Ethiopians somewhat too late, and that that event occurred really as early as B.C. 725 or B.C. 730.

At the same time, it must be allowed that all difficulty is not removed by this supposition. The Shebek (*Sibahé* or *Sibaki*) of the Assyrian record bears an inferior title, and not that of king.<sup>1</sup> He is also, apparently, contemporary with another authority in Egypt, who is recognised by Sargon as the true "Pharaoh," or native ruler.<sup>2</sup> Further, it is not till eight or

<sup>10</sup> Philistia had submitted to Vul-lush III. (supra, p. 116), and probably to Tiglath-Pileser II. (p. 133). The extension of Egyptian influence over the country is perhaps glanced at in the prophecy of Isaiah:—"In that day shall five cities in the land of Egypt speak the language of Canaan." The "five cities" of the Philistines were Ashdod, Gaza, Ascalon, Gath, and Ekron. (See Josh. xiii. 3; and 1 Sam. vi. 17.)

<sup>11</sup> Supra, p. 136, note 11.

<sup>12</sup> See Oppert, *Inscriptions des Sargonides*, p. 22; and compare Sir H. Rawlinson in the *Athenæum*, No. 1860, p. 247, note 28; and Dr. Hicks in the same journal, No. 1878, p. 534.

<sup>13</sup> Manetho assigned to Neco six years only, whereas it is certain that he reigned sixteen. He interposed three kings, whose reigns covered a space of twenty-one years, between Tirhakah

and Psammetichus, whereas the monuments show that Psammetichus followed Tirhakah immediately. Again, he gave Tirhakah eighteen years, whereas the monuments give him twenty-six. His numbers may have been falsified; but certainly, as they come to us, no dependence can be placed on them. (See M. de Rouge's *Notice sommaire des Monuments égyptiens du Musée du Louvre*. Paris, 1855.)

<sup>1</sup> The title borne by Shebek is read as *Tar-danu* by Sir H. Rawlinson, and explained as honorific, signifying "the high in rank." M. Oppert reads it as *Sul-tan*, and compares the Hebrew *shilton* (שִׁלְטָן), "power," and the Arabic *Sul-tan*. In either case the title is a subordinate one, occurring in an Assyrian list of officers after that of Tartan.

<sup>2</sup> That Shebek the *Tar-dan* or *Sul-tan*

nine years later that any mention is made of Ethiopia as having an authority over Egypt, or as in any way brought into contact with Sargon. The proper conclusion from these facts seems to be that the Ethiopians established themselves gradually; that in B.C. 720, Shebek or Sabaco, though master of a portion of Egypt, had not assumed the royal title, which was still borne by a native prince of little power — Bocchoris, or Sethos — who held his court somewhere in the Delta; and that it was not till about the year B.C. 712 that this shadowy kingdom passed away, that the Ethiopian rule was extended over the whole of Egypt, and that Sabaco assumed the full rank of an independent monarch.

If this be the true solution of the difficulty which has here presented itself, we must conclude that the first actual collision between the powers of Egypt and Assyria took place at a time very unfavourable to the former. Egypt was, in fact, divided against itself, the fertile tract of the Delta being under one king, the long valley of the Nile under another. If war was not actually going on, jealousy and suspicion, at any rate, must have held the two sovereigns apart; and the Assyrian monarch, coming at such a time of intestine feud, must have found it comparatively easy to gain a triumph in this quarter.

The armies of the two great powers met at the city of Rapikh, which seems to be the Raphia of the Greeks and Romans,<sup>3</sup> and consequently the modern *Refah* — a position upon the coast of the Mediterranean Sea, about half-way between Gaza and the Wady-el-Arish, or “River of Egypt.” Here the forces of the Philistines, under Khanun, king of Gaza, and those of Shebek, the Tar-dan (or perhaps the Sultan<sup>4</sup>) of Egypt, had effected a junction, and awaited the approach of the invader. Sargon, having arrived, immediately engaged the allied army, and succeeded in defeating it completely, capturing Khanun, and

is not the Pharaoh who gave the tribute is evident from the great Chamber Inscription of Khorsabad, where the two names stand contrasted in two consecutive paragraphs. (Oppert, *Inscriptions des Sargonides*, p. 22.)

<sup>3</sup> The position of Raphia is well

marked in Polybius, who places it between Rhinocolura and Gaza (v. 80, § 3). It was the scene of a great battle between Ptolemy Philopator and Antiochus the Great, B.C. 217. Pliny calls it Raphea. (*H. N.* v. 13.)

<sup>4</sup> See above, p. 143, note 1.

forcing Shebek to seek safety in flight. Khanun was deprived of his crown and carried off to Assyria by the conqueror.<sup>5</sup>

Such was the result of the first combat between the two great powers of Asia and Africa. It was an omen of the future, though it was scarcely a fair trial of strength. The battle of Raphia foreshadowed truly enough the position which Egypt would hold among the nations from the time that she ceased to be isolated, and was forced to enter into the struggle for pre-eminence, and even for existence, with the great kingdoms of the neighbouring continent. With rare and brief exceptions, Egypt has from the time of Sargon succumbed to the superior might of whatever power has been dominant in Western Asia, owning it for lord, and submitting, with a good or a bad grace, to a position involving a greater or less degree of dependence. Tributary to the later Assyrian princes, and again, probably, to Nebuchadnezzar, she had scarcely recovered her independence when she fell under the dominion of Persia. Never successful, notwithstanding all her struggles, in thoroughly shaking off this hated yoke, she did but exchange her Persian for Greek masters, when the empire of Cyrus perished. Since then, Greeks, Romans, Saracens, and Turks have, each in their turn, been masters of the Egyptian race, which has paid the usual penalty of precocity in the early exhaustion of its powers.

After the victories of Aroer and Raphia, the Assyrian monarch appears to have been engaged for some years in wars of comparatively slight interest towards the north and the north-east. It was not till B.C. 715, five years after his first fight with the Egyptians, that he again made an expedition towards the south-west, and so came once more into contact with nations, to whose fortunes we are not wholly indifferent. His chief efforts on this occasion were directed against the peninsula of Arabia. The wandering tribes of the desert, tempted by the weak condition to which the Assyrian conquest had reduced Samaria, made raids, it appears, into the territory at their pleasure, and carried off plunder. Sargon determined to chas-

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<sup>5</sup> *Inscriptions des Sargonides*, p. 36.



tise these predatory bands, and made an expedition into the interior, where "he subdued the uncultivated plains of the remote Arabia, which had never before given tribute to Assyria," and brought under subjection the Thamudites,<sup>6</sup> and several other Arab tribes, carrying off a certain number and settling them in Samaria itself, which thenceforth contained an Arab element in its population.<sup>7</sup> Such an effect was produced on the surrounding nations by the success of this inroad, that their princes hastened to propitiate Sargon's favour by sending embassies, and accepting the position of Assyrian tributaries. The reigning Pharaoh, whoever he may have been, It-hamar, king of the Sabæans, and Tsamsi,<sup>1</sup> queen of the Arabs, thus humbled themselves, sending presents,<sup>2</sup> and probably entering into engagements which bound them for the future.

Four years later (B.C. 711) Sargon led a third expedition into these parts, regarding it as important to punish the misconduct of the people of Ashdod. Ashdod had probably submitted after the battle of Raphia, and had been allowed to retain its native prince, Azuri. This prince, after a while, revolted, withheld his tribute, and proceeded to foment rebellion against Assyria among the neighbouring monarchs; whereupon Sargon deposed him, and made his brother Akhimit king in his place. The people of Ashdod, however, rejected the authority of Akhimit, and chose a certain Yaman, or Yavan, to rule over them, who strengthened himself by alliances with the other Philistine cities, with Judæa, and with Edom. Immediately upon learning this, Sargon assembled his army, and proceeded to Ashdod to punish the rebels; but, before his arrival, Yaman had fled away, and "escaped to the dependencies of Egypt, which" (it is said) "were under the rule of Ethiopia."<sup>3</sup> Ashdod itself, trusting in

<sup>6</sup> The Thamudites are a well-known Arabian tribe, belonging anciently to the central portion of the peninsula. They occupied seats to the south of Arabia Petræa in the name of Ptolemy. (*Geograph.* vi. 7.)

<sup>7</sup> Compare Nehem. ii. 19, and iv. 7.

<sup>1</sup> Tsamsi appears to have been the successor of Khabiba (*supra*, p. 131).

<sup>2</sup> These presents were gold, spices (?),

horses, and camels. The Egyptian horses were much prized, and were carefully preserved by Sargon in the royal stables at Nineveh.

<sup>3</sup> M. Oppert understands the passage somewhat differently. He translates, "Yaman apprît de loin l'approche de mon expédition; il s'enfuit au delà de l'Égypte, du côté de Méroé." (*Inscriptions des Sargouides*, p. 27.)

the strength from which it derived its name,<sup>4</sup> resisted; but Sargon laid siege to it, and in a little time forced it to surrender.<sup>5</sup> Yaman fled to Egypt, but his wife and children were captured, and, together with the bulk of the inhabitants, were transported into Assyria, while their place was supplied by a number of persons who had been made prisoners in Sargon's eastern wars. An Assyrian governor was set over the town.

The submission of Ethiopia followed. Ashdod, like Samaria, had probably been encouraged to revolt by promises of foreign aid. Sargon's old antagonist, Shebek, had recently brought the whole of Egypt under his authority, and perhaps thought the time had come when he might venture once more to measure his strength against the Assyrians. But Sargon's rapid movements and easy capture of the strong Ashdod terrified him, and produced a change of his intentions. Instead of marching into Philistia and fighting a battle, he sent a suppliant embassy, surrendered Yaman, and deprecated Sargon's wrath.<sup>6</sup> The Assyrian monarch boasts that the king of Meroë, who dwelt in the desert, and had never sent ambassadors to any of the kings his predecessors, was led by the fear of his majesty to direct his steps towards Assyria and humbly bow down before him.

At the opposite extremity of his empire, Sargon soon afterwards gained victories which were of equal or greater importance. Having completely reduced Syria, humiliated Egypt, and struck terror into the tribes of the north and east, he determined on a great expedition against Babylon. Merodach-Baladan had now been twelve years in quiet possession of the kingdom.<sup>7</sup> He had established his court at Babylon, and,

<sup>4</sup> The name Ashdod (אַשְׁדּוֹד) is probably derived from the root אֶשׁ, "strong," which appears in אֶשׁ and אֶשְׁרָא. *She-deed* is "strong" in Arabic.

<sup>5</sup> It is perhaps this capture of Ashdod of which Isaiah speaks—"In the year that Tartan came unto Ashdod (when Sargon the king of Assyria sent him), and fought against Ashdod, and took it; at the same time spake the Lord by Isaiah," &c. (xx. 1, 2). For it is possible

that Sargon may claim as his own act what was really effected by a general. But perhaps it is most probable that the capture by the Tartan or general was the earlier one, when Azuri's revolt was put down, and Akhimit was made king in his place.

<sup>6</sup> See Mr. G. Smith's paper in the *Zeitschrift für ägypt. Sprache* for 1869, p. 107.

<sup>7</sup> *Inscriptions des Sargonides*, p. 28. It is this statement, joined with the

suspecting that the ambition of Sargon would lead him to attempt the conquest of the south, he had made preparations for resistance by entering into close alliance with the Susians under Sutruk-Nakhunta on the one hand, and with the Aramæan tribes above Babylonia on the other. Still, when Sargon advanced against him, instead of giving him battle, or even awaiting him behind the walls of the capital, he at once took to flight.<sup>8</sup> Leaving garrisons in the more important of the inland towns, and committing their defence to his generals, he himself hastened down to his own city of Beth-Yakin,<sup>9</sup> which was on the Euphrates, near its mouth, and, summoning the Aramæans to his assistance,<sup>10</sup> prepared for a vigorous resistance in the immediate vicinity of his native place. Posting himself in the plain in front of the city, and protecting his front and left flank with a deep ditch, which he filled with water from the Euphrates, he awaited the advance of Sargon, who soon appeared at the head of his troops, and lost no time in beginning the attack. We cannot follow with any precision the exact operations of the battle, but it appears that Sargon fell upon the Babylonian troops, defeated them, and drove them into their own dyke, in which many of them were drowned, at the same time separating them from their allies, who, on seeing the disaster, took to flight, and succeeded in making their escape. Merodach-Baladan, abandoning his camp, threw himself with the poor remains of his army into Beth-Yakin, which Sargon then besieged and took. The Babylonian monarch fell into the hands of his rival, who plundered his palace and burnt his city, but generously spared his life. He

fact that the expedition took place in Sargon's 12th year, that enables us definitely to fix the accession of Sargon to B.C. 722-1, which is the first year of Merodach-Baladan (Mardocephalus) in the Canon of Ptolemy.

<sup>8</sup> Sargon seems by skilful movements to have interposed his army between Merodach-Baladan and Sutruk-Nakhunta, and even to have threatened to cut off Merodach-Baladan from the sea. Hence, probably, his hasty evacuation of his capital. (See Mr. G. Smith's paper in the *Zeitschrift*, p. 109.)

<sup>9</sup> See above, p. 130, note 7.

<sup>10</sup> The tribes summoned were the *Gambulu*, the *Bukudu* or *Pukudu* (perhaps the Pekod of the Jewish prophets, Jer. i. 21; Ezek. xxiii. 23), the *Tamuna*, the *Rikhihu*, and the *Khindari*, who all appear among the Aramæans plundered by Sennacherib. (*Infra*, p. 157.) The *Gambulu* or *Gumbulu* were known to the Arab geographers and historians as *Junbul*. They place the *Junbul* in the Lemlun marsh district.

was not, however, allowed to retain his kingdom, the government of which was assumed by Sargon himself, who is the Arceanus of Ptolemy's Canon.<sup>1</sup>

The submission of Babylonia was followed by the reduction of the Aramæans, and the conquest of at least a portion of Susiana. To the Susianian territory Sargon transported the Commukha from the Upper Tigris, placing the mixed population under a governor, whom he made dependent on the viceroy of Babylon.<sup>2</sup>

The Assyrian dominion was thus firmly established on the shores of the Persian Gulf. The power of Babylon was broken. Henceforth the Assyrian rule is maintained over the whole of Chaldæa and Babylonia, with few and brief interruptions, to the close of the Empire. The reluctant victim struggles in his captor's grasp, and now and then for a short space shakes it off; but only to be seized again with a fiercer gripe, until at length his struggles cease, and he resigns himself to a fate which he has come to regard as inevitable. During the last fifty years of the Empire, from B.C. 680 to B.C. 625, the province of Babylon was almost as tranquil as any other.

The pride of Sargon received at this time a gratification which he is not able to conceal, in the homage which was paid to him by sovereigns who had only heard of his fame, and who were safe from the attacks of his armies. While he held his court at Babylon, in the year B.C. 708 or 707, he gave audience to two embassies from two opposite quarters, both sent by islanders dwelling (as he expresses it) "*in the middle of the seas*" that washed the outer skirts of his dominions.<sup>3</sup> Upir, king of Asmun, who ruled over an island

<sup>1</sup> I have hitherto doubted this identification since the initial S of an Assyrian name is nowhere else replaced by a mere breathing. But the discovery that Sargon took the title of "king of Babil" in the very year which Ptolemy makes the 1st of Arceanus, B.C. 709 (*Zeitschrift*, p. 96), convinces me that I have been wrong.

<sup>2</sup> *Inscriptions des Sargonides*, p. 30.

<sup>3</sup> This expression, and the subsequent

statement that Cyprus, which is less than 65 miles distant from the nearest part of the Phœnician coast, was "seven days' sail from the shore," sufficiently mark the ignorance of the Assyrians where nautical matters are concerned. Sargon calls Cyprus "a country of which none of the kings of Assyria or Babylonia had ever heard the name." (*Inscriptions, &c.*, p. 31.)

in the Persian Gulf, — Khareg, perhaps, or Bahrein, — sent messengers, who bore to the Great King the tribute of the far East. Seven Cyprian monarchs, chiefs of a country which lay “at the distance of seven days from the coast, in the sea of the setting sun,” offered him by their envoys the treasures of the West.<sup>4</sup> The very act of bringing presents implied submission; and the Cypriots not only thus admitted his suzerainty, but consented to receive at his hands and to bear back to their country a more evident token of subjection. This was an effigy of the Great King carved in the usual form, and accompanied with an inscription recording his name and titles, which was set up at Idalium, nearly in the centre of the island, and made known to the Cypriots the form and appearance of the sovereign whom it was not likely that they would ever see.<sup>5</sup>

The expeditions of Sargon to the north and north-east had results less splendid than those which he undertook to the south-west and the south; but it may be doubted whether they did not more severely try his military skill and the valour of his soldiers. The mountain tribes of Zagros, Taurus, and Niphates, — Medes, Armenians, Tibareni, Moschi, &c., — were probably far braver men and far better soldiers than the levies of Egypt, Susiana, and Babylon. Experience, moreover, had by this time taught the tribes the wisdom of uniting against the common foe, and we find Ambris the Tibarenian in alliance with Mita the Moschian, and Urza the Armenian, when he ventures to revolt against Sargon. The submission of the northern tribes was with difficulty obtained by a long and fierce struggle, which — so far as one belligerent was concerned — terminated in a compromise. Ambris was deposed,<sup>6</sup> and his

<sup>4</sup> The tribute of *Upir* is not stated. That of the Cyprians consisted of gold, silver, vases, logs of ebony, and the manufactures of their own land.

<sup>5</sup> This effigy of Sargon, found on the site of Idalium, is now in the Berlin Museum. In the Inscriptions, “setting up the image of his majesty” is always a sign that a monarch has conquered a country. Such images are sometimes

represented in the bas-reliefs. (See Botta, *Monument de Ninive*, Pl. 64.)

<sup>6</sup> There was peculiar ingratitude in the conduct of Ambris. Sargon had selected him from among the neighbouring kings for the honour of a matrimonial alliance; and had given him the province of Cilicia as the dowry of the daughter whom he sent to Ambris to be his wife.

country placed under an Assyrian governor; Mita<sup>7</sup> consented, after many years of resistance, to pay a tribute; Urza was defeated, and committed suicide, but the general pacification of the north was not effected until a treaty was made with the king of Van, and his goodwill purchased by the cession to him of a considerable tract of country which the Assyrians had previously taken from Urza.<sup>8</sup>

On the side of Media the resistance offered to the arms of Sargon seems to have been slighter, and he was consequently able to obtain a far more complete success. Having rapidly overrun the country, he seized a number of the towns and "annexed them to Assyria,"<sup>9</sup> or, in other words, reduced a great portion of Media into the form of a province. He also built in one part of the country a number of fortified posts. He then imposed a tribute on the natives, consisting entirely of horses, which were perhaps required to be of the famous Nisæan breed.<sup>10</sup>

After his fourteenth year, B.C. 708, Sargon ceased to lead out his troops in person, employing instead the services of his generals. In the year B.C. 707 a disputed succession gave him an opportunity of interference in Illib, a small country bordering on Susiana. Nibi, one of the two pretenders to the throne, had applied for aid to Sutruk-Nakhunta, king of Elam, who held his court at Susa,<sup>11</sup> and had received the promise of his favour and protection. Upon this, the other claimant, who was named Ispabara, made application to Sargon, and was readily received into alliance. Sargon sent to his assistance "seven captains

<sup>7</sup> This name has been compared with the Phrygian Midas. (Sir H. Rawlinson, in the author's *Herodotus*, vol. i. p. 131, 2nd ed.) The name of another chief engaged in this war — Daiukka the Manian — has been compared with that of the supposed Median monarch Deioces. Some go so far as to identify the personages.

<sup>8</sup> *Inscriptions des Sargonides*, p. 24. Sargon represents this as a pure act of favour on his part: but we cannot be mistaken in considering it as an act of prudence.

Urza's signet-cylinder has been dis-

covered and brought to Europe. It bears a four-winged genius, grasping with either hand an ostrich by the neck. (See Cullimore, *Cylinders*, Pl. 8, fig. 40.) It is now in the Museum of the Hague.

<sup>9</sup> *Inscriptions des Sargonides*, p. 25. Compare p. 37.

<sup>10</sup> On the Nisæan horses see the author's *Herodotus*, vol. iv. p. 33, note <sup>6</sup>, 2nd ed.

<sup>11</sup> Sutruk-Nakhunta's inscriptions have been found on the great mound of Susa. (Sir H. Rawlinson, in the author's *Herodotus*, vol. i. p. 363, note <sup>4</sup>, 2nd ed.)

with seven armies," who engaged the troops of Sutrūk-Nakhunta, defeated them, and established Ispabara on the throne.<sup>12</sup> In the following year, however, Sutrūk-Nakhunta recovered his laurels, invading Assyria in his turn, and capturing cities which he added to the kingdom of Susiana.

In all his wars Sargon largely employed the system of wholesale deportation. The Israelites were removed from Samaria, and planted partly in Gozan or Mygdonia, and partly in the cities recently taken from the Medes.<sup>13</sup> Hamath and Damascus were peopled with captives from Armenia and other regions of the north. A portion of the Tibareni were carried captive to Assyria, and Assyrians were established in the Tibarenian country. Vast numbers of the inhabitants of the Zagros range were also transported to Assyria; Babylonians, Cuthæans, Sepharvites, Arabians, and others, were placed in Samaria; men from the extreme east (perhaps Media) in Ashdod. The Commukha were removed from the extreme north to Susiana; and Chaldæans were brought from the extreme south to supply their place. Everywhere Sargon "changed the abodes" of his subjects,<sup>14</sup> his aim being, as it would seem, to weaken the stronger races by dispersion, and to destroy the spirit of the weaker ones by severing at a blow all the links which attach a patriotic people to the country it has long inhabited. The practice had not been unknown to previous monarchs,<sup>1</sup> but it had never been employed by any so generally or on so grand a scale as it was by this king.

From this sketch of Sargon's wars, we may now proceed to a brief consideration of his great works. The magnificent palace which he erected at Khorsabad was by far the most important of his constructions. Compared with the later, and even with the earlier buildings of a similar kind erected by other kings, it was not remarkable for its size. But its ornamentation was unsurpassed by that of any Assyrian edifice, with the single

<sup>12</sup> *Inscriptions des Sargonides*, pp. 26, 27. Habor by the river of Gozan, and in the cities of the Medes."

<sup>13</sup> 2 Kings xviii. 11. "And the king of Assyria did carry away Israel unto Assyria, and put them in Halah and in

<sup>14</sup> *Inscriptions des Sargonides*, p. 37.

<sup>1</sup> See above, pp. 75, 88, 131, and 132.

exception of the great palace of Asshur-bani-pal at Koyunjik. Covered with sculptures, both internally and externally, generally in two lines, one over the other, and, above this, adorned with enamelled bricks, arranged in elegant and tasteful patterns; approached by noble flights of steps and through splendid propylæa; having the advantage, moreover, of standing by itself, and of not being interfered with by any other edifice, it had peculiar beauties of its own, and may be pronounced in many respects the most interesting of the Assyrian buildings. United to this palace was a town enclosed by strong walls, which formed a square two thousand yards each way. Allowing fifty square yards to each individual, this space would have been capable of accommodating 80,000 persons. The town, like the palace, seems to have been entirely built by Sargon, who imposed on it his own name, an appellation which it retained beyond the time of the Arab conquest.<sup>2</sup>

It is not easy to understand the exact object of Sargon in building himself this new residence. Dur-Sargina was not the Windsor or Versailles of Assyria—a place to which the sovereign could retire for country air and amusements from the bustle and heat of the metropolis. It was, as we have said, a town, and a town of considerable size, being very little less than half as large as Nineveh itself. It is true that it possessed the advantage of a nearer vicinity to the mountains than Nineveh; and had Sargon been, like several of his predecessors, “a mighty hunter,” we might have supposed that the greater facility of obtaining sport in the woods and valleys of the Zagros chain formed the attraction which led him to prefer the region where he built his town to the banks of the Tigris. But all the evidence that we possess seems to show that this monarch was destitute of any love for the chase;<sup>3</sup> and seemingly we must attribute his change

<sup>2</sup> The Arab geographer Yacut speaks of Khurstabadh (Khorsabad) as a village east of the Tigris, opposite to Mosul, and adjoining the old ruined city of Sarghun. (*See As. Soc. Journ.* vol. xii. p. 419, note<sup>2</sup>.)

<sup>3</sup> It is true the evidence is only negative, but is as strong as negative evidence can be. Sargon neither mentions

hunting in any of his inscriptions, nor represents himself as engaged in it in his sculptures. The only representation of sport which his bas-reliefs furnish consists of one series of slabs, where partridges, hares, and gazelles are the objects of pursuit. The king is present, driving in his chariot, but seems to take no part in the sport. (*See vol. i. p. 524.*)



of abode either to mere caprice, or to a desire to be near the mountains for the sake of cooler water, purer air, and more varied scenery. It is no doubt true, as M. Oppert observes,<sup>4</sup> that the royal palace at Nineveh was at this time in a ruinous state; but it could not have been more difficult or more expensive to repair it than to construct a new palace, a new mound, and a new town, on a fresh site.

Previously to the construction of the Khorsabad palace, Sargon resided at Calah.<sup>5</sup> He there repaired and renovated the great palace of Asshur-izir-pal, which had been allowed to fall to decay.<sup>6</sup> At Nineveh he repaired the walls of the town, which were ruined in many places, and built a temple to Nebo and Merodach; while in Babylonia he improved the condition of the embankments, by which the distribution of the waters was directed and controlled.<sup>7</sup> He appears to have been to a certain extent a patron of science, since a large number of the Assyrian scientific tablets are proved by the dates upon them to have been written in his day.<sup>8</sup>

The progress of mimetic art under Sargon is not striking; but there are indications of an advance in several branches of industry, and of an improved taste in design and in ornamentation. Transparent glass seems now to have been first brought into use,<sup>9</sup> and intaglios to have been first cut upon hard stones.<sup>10</sup> The furniture of the period is greatly superior in design to any previously represented,<sup>11</sup> and the modelling of sword-hilts, maces, armlets, and other ornaments is peculiarly good.<sup>12</sup> The enamelling of bricks was carried under Sargon to its greatest perfection; and the shape of vases, goblets, and boats shows a marked improvement upon the works of former times.<sup>13</sup> The advance in animal forms, traceable in the sculptures of

<sup>4</sup> *Inscriptions des Sargonides*, p. 31, note 2.

<sup>5</sup> This must have been his principal residence, as the Khorsabad palace was not finished till his fifteenth year.

<sup>6</sup> *Inscriptions des Sargonides*, p. 35.

<sup>7</sup> *Ibid.*

<sup>8</sup> *Zeitschrift für ägypt. Sprache* for 1869, p. 110.

<sup>9</sup> At any rate the earliest known

specimens belong to this reign. (See vol. i. p. 391.)

<sup>10</sup> King, *Antique Gems*, p. 127.

<sup>11</sup> See the following representations in vol. i. of this work: 1. the table, No. IV., p. 393; 2. the throne, p. 394; 3. the seat without a back on the same page.

<sup>12</sup> See vol. i. pp. 457, 458 and 490.

<sup>13</sup> See vol. i. pp. 309, 388, 549, 580.

Tiglath-Pileser II., continues; and the drawing of horses' heads, in particular, leaves little to desire.<sup>14</sup>

After reigning gloriously over Assyria for seventeen years, and for the last five of them over Babylonia also, Sargon died, leaving his crown to the most celebrated of all the Assyrian monarchs, his son Sennacherib, who began to reign B.C. 705. The long notices which we possess of this monarch in the books of the Old Testament, his intimate connection with the Jews, the fact that he was the object of a preternatural exhibition of the Divine displeasure, and the remarkable circumstance that this miraculous interposition appears under a thin disguise in the records of the Greeks, have always attached an interest to his name which the kings of this remote period and distant region very rarely awaken. It has also happened, curiously enough, that the recent Mesopotamian researches have tended to give to Sennacherib a special prominence over other Assyrian monarchs, more particularly in this country, our great excavator having devoted his chief efforts to the disinterment of a palace of this king's construction, which has supplied to our National Collection almost one-half of its treasures. The result is, that while the other sovereigns who bore sway in Assyria are generally either wholly unknown, or float before the mind's eye as dim and shadowy forms, Sennacherib stands out to our apprehension as a living and breathing man, the impersonation of all that pride and greatness which we assign to the Ninevite kings, the living embodiment of Assyrian haughtiness, Assyrian violence, and Assyrian power. The task of setting forth the life and actions of this prince, which the course of the history now imposes on its compiler, if increased in interest, is augmented also in difficulty, by the grandeur of the ideal figure which has possession of men's minds.

The reign of Sennacherib lasted twenty-four years, from B.C. 705 to B.C. 681. The materials which we possess for his history consist of a record written in his fifteenth<sup>1</sup> year, describ-

<sup>14</sup> See vol. i. p. 350.

<sup>1</sup> This document is known as "the Taylor Cylinder." It is dated in the Eponymy of Bel-emur-ani, who appears

in the Assyrian Canon as the Eponym of Sennacherib's fifteenth year, B.C. 691, and again of his twentieth year, B.C. 686. An abstract of the most important

ing his military expeditions and his buildings up to that time;<sup>2</sup> of the Scriptural notices to which reference has already been made;<sup>3</sup> of some fragments of Polyhistor preserved by Eusebius;<sup>4</sup> and of the well-known passage of Herodotus which contains a mention of his name.<sup>5</sup> From these documents we shall be able to make out in some detail the chief actions of the earlier portion of his reign; but they fail to supply any account of his later years, unless we may assign to that portion of his life some facts mentioned by Polyhistor, to which there is no allusion in the native records.

It seems probable that troubles both abroad and at home greeted the new reign. The Canon of Ptolemy shows a two years' interregnum at Babylon (from B.C. 704 to B.C. 702) exactly coinciding<sup>6</sup> with the first two years of Sennacherib. This would imply a revolt of Babylon from Assyria soon after his accession, and either a period of anarchy or a rapid succession of prétenders, none of whom held the throne for so long a time as a twelvemonth.<sup>7</sup> Polyhistor gives us certain details, from which we gather that there were at least three monarchs in the interval left blank by the Canon<sup>8</sup>—first, a brother of Sennacherib, whose name is not given; secondly, a certain Hagisa, who wore the crown only a month; and, thirdly,

portion of this inscription was given by Sir H. Rawlinson so long ago as 1852, in his *Outlines of Assyrian History*, while detailed translations have been since published by Mr. Fox Talbot (*Journ. As. Soc.*, vol. xix. pp. 135-181), and M. Oppert (*Inscriptions des Sargonides*, pp. 41-53).

<sup>2</sup> There is a second document called "the Bellino Cylinder," which was written in Sennacherib's fourth year, and contains his first two campaigns, together with an account of his early buildings at Nineveh. In general it agrees closely with the Taylor Cylinder; but it adds some few facts, as the appointment of Belipni. Mr. Fox Talbot translated it in his *Assyrian Texts*, pp. 1-9.

<sup>3</sup> 2 Kings xviii. 13-37; Isa. xxxvi. and xxxvii.

<sup>4</sup> Euseb. *Chron. Can. Pars 1<sup>ma</sup>*, c. iv. v. Eusebius has also preserved a passage of Abydenus in which Sennacherib is mentioned (ib. c. ix. § 1); but it contains

little of any value that is not also mentioned by Polyhistor.

<sup>5</sup> Herod. ii. 141.

<sup>6</sup> The Assyrians and Babylonians counted as their "first year," not the actual year of their accession, but the year following. Thus if Sennacherib ascended the throne B.C. 705, his "first year" would be B.C. 704.

<sup>7</sup> It is an admitted feature of Ptolemy's Canon that it takes no notice of kings who reigned less than a year.

<sup>8</sup> The following is Polyhistor's statement, as reported by Eusebius: "Postquam regno defunctus est Senecheribi frater, et post Hagisæ in Babylonios dominationem, qui quidem nondum expleto trigesimo imperii die a Marudacho Baldane interemptus est, Marudachus ipse Baldanes tyrannidem invasit mensibus sex; donec eum sustulit vir quidam nomine Elibus, qui et in regnum successit." (*Chron. Can. Pars 1<sup>ma</sup>*, v. § 1.)

Merodach-Baladan, who had escaped from captivity, and, having murdered Hagisa, resumed the throne of which Sargon had deprived him six or seven years before.<sup>9</sup> Sennacherib must apparently have been so much engaged with his domestic affairs that he could not devote his attention to these Babylonian matters till the second year after his accession.<sup>10</sup> In B.C. 703 he descended on the lower country and engaged the troops of Merodach-Baladan, which consisted in part of native Babylonians, in part of Susianians, sent to his assistance by the king of Elam.<sup>11</sup> Over this army Sennacherib gained a complete victory near the city of Kis, after which he took Babylon, and overran the whole of Chaldæa, plundering (according to his own account) seventy-six large towns and 420 villages.<sup>12</sup> Merodach-Baladan once more made his escape, flying probably to Susiana, where we afterwards find his sons living as refugees.<sup>13</sup> Sennacherib, before quitting Babylon, appointed as tributary king an Assyrian named Belipni, who seems to be the Belibus of Ptolemy's Canon, and the Elibus of Polyhistor.<sup>14</sup> On his return from Babylonia he invaded and ravaged the territory of the Aramæan tribes on the middle Euphrates — the Tumuna, Ruhua, Gambulu, Khindaru, and Pukudu<sup>15</sup> (Pekod?), the Nabatu or Nabathæans, the Hagaranu or Hagarenes,<sup>16</sup> and others, carrying into captivity more than 200,000 of the inhabitants, besides great numbers of horses, camels, asses, oxen, and sheep.<sup>17</sup>

<sup>9</sup> Supra, p. 149.

<sup>10</sup> It was formerly concluded from Sennacherib's cylinders that his first Babylonian expedition was in his first and his Syrian expedition in his third year. But neither the Bellino nor the Taylor Cylinder is, strictly speaking, in the form of *annals*. The Babylonian was his first campaign, the Syrian his third. But two years seem to have passed before he engaged in foreign expeditions.

It is confirmatory of this view, which follows from the chronology of the Assyrian Canon compared with the Canon of Ptolemy, to find that the Bellino Cylinder, written in Sennacherib's fourth year, gives, not four campaigns, but two only — those of B.C. 703 and B.C. 702.

<sup>11</sup> This king was probably the Sutruk-

Nakhunta who had warred with Sargon. (Supra, p. 151.)

<sup>12</sup> *As. Soc. Journ.* vol. xix. p. 137.

<sup>13</sup> Vide infra, p. 138.

<sup>14</sup> In Elibus the El is perhaps אל, "god," used for Bel, the particular god, or possibly Elibus is a mere corruption due to the double translation of Polyhistor's Greek into Armenian, and of the Armenian Eusebius into Latin.

<sup>15</sup> These tribes had all assisted Merodach-Baladan against Sargon. (See above, p. 148, note <sup>10</sup>.)

<sup>16</sup> Compare 1 Chr. v. 10, 18-22; Ps. lxxxiii. 6. The Hagarenes are perhaps the Agræi of Strabo (xvi. p. 1091), Pliny (*H. N.* vi. 32), and others.

<sup>17</sup> *As. Soc. Journ.* vol. xix. p. 138.

In the following year, B.C. 702, Sennacherib made war on the tribes in Zagros, forcing Ispabara, whom Sargon had established in power,<sup>18</sup> to fly from his country, and conquering many cities and districts, which he attached to Assyria, and placed under the government of Assyrian officers.<sup>19</sup>

The most important of all the expeditions contained in Sennacherib's records is that of his fourth year, B.C. 701, in which he attacked Luliya king of Sidon, and made his first expedition against Hezekiah king of Judah. Invading Syria with a great host, he made Phœnicia the first object of his attack. There Luliya — who seems to be the Elulæus of Menander,<sup>20</sup> though certainly not the Elulæus of Ptolemy's Canon,<sup>21</sup> — had evidently raised the standard of revolt, probably during the early years of Sennacherib, when domestic troubles seem to have occupied his attention. Luliya had, apparently, established his dominion over the greater part of Phœnicia, being lord not only of Sidon, or, as it is expressed in the inscription, of Sidon the greater and Sidon the less, but also of Tyre, Ecdippa, Akko, Sarepta, and other cities. However, he did not venture to await Sennacherib's attack, but, as soon as he found the expedition was directed against himself, he took to flight, quitting the continent and retiring to an island in the middle of the sea — perhaps the island Tyre, or more probably Cyprus. Sennacherib did not attempt any pursuit, but was content to receive the submission of the various cities over which Luliya had ruled, and to establish in his place, as tributary monarch, a prince named Tubal. He then received the tributes of the other petty monarchs of these parts, among whom are mentioned Abdilihat king of Arvad, Hurus-milki king of Byblus, Mitinti king of Ashdod,<sup>1</sup> Puduel king of Beth-Ammon, a king of Moab, a king of Edom, and (according to some writers<sup>2</sup>) a "Menahem king of Samaria." After this Senna-

<sup>18</sup> Supra, p. 152.

<sup>19</sup> *As. Soc. Journ.* vol. xix. pp. 139-143; *Inscrip. des Sargonides*, pp. 42, 43.

<sup>20</sup> Ap. Joseph. *Ant. Jud.* ix. 14.

<sup>21</sup> This identity is maintained by Mr. Bosanquet. (*Fall of Nineveh*, p. 40; *Messiah the Prince*, p. 385.)

<sup>1</sup> This name appears as that of a Philistine king in the inscriptions of Tiglath-Pileser II. (See above, p. 133.)

<sup>2</sup> M. Oppert is, I believe, of this opinion. Mr. Fox Talbot so translates (*Asiatic Soc. Journ.* vol. xix. p.

cherib marched southwards to Ascalon, where the king, Sidka, resisted him, but was captured, together with his city, his wife, his children, his brothers, and the other members of his family. Here again a fresh prince was established in power, while the rebel monarch was kept a prisoner and transported into Assyria. Four towns dependent upon Ascalon, viz., Hazor, Joppa, Beneberak, and Beth-Dagon,<sup>3</sup> were soon afterwards taken and plundered.

Sennacherib now pressed on against Egypt. The Philistine city of Ekron had not only revolted from Assyria, expelling its king, Padi, who was opposed to the rebellion, but had entered into negotiations with Ethiopia and Egypt, and had obtained a promise of support from them. The king of Ethiopia was probably the second Shebek (or Sabaco) who is called Sevechus by Manetho, and is said to have reigned either twelve or fourteen years.<sup>4</sup> The condition of Egypt at the time was peculiar. The Ethiopian monarch seems to have exercised the real sovereign power; but native princes were established under him who were allowed the title of king, and exercised a real though delegated authority over their several cities and districts.<sup>5</sup> On the call of Ekron both princes and sovereign had hastened to its assistance, bringing with them an army consisting of chariots, horsemen, and archers, so numerous that Sennacherib calls it "a host that could not be numbered." The second great battle<sup>6</sup> between the Assyrians and the Egyptians took place near a place called Altaku, which is no doubt the Eltekeh of the Jews,<sup>7</sup> a small

144). Sir H. Rawlinson denies the identity of the town mentioned with Samaria, which is ordinarily represented in the Inscriptions by an entirely different set of characters.

<sup>3</sup> Joppa and Bene-berak are connected with Ekron in Josh. xix. 43-46. There was a Hazor among the extreme southern cities of Judah (ib. xv. 23). And there was a Beth-Dagon in the low country or coast tract of Judah, which is probably the modern *Bett-Dajan* between Lydda and Joppa. These seem to be the four cities now taken by Sennacherib.

<sup>4</sup> Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. xx.; African. ap. Syncell. *Chronograph.* p. 184, C.

<sup>5</sup> We shall have fuller evidence of the continuation of this practice under the Assyrian kings when they became masters of Egypt. (Infra, pp. 193 and 20.) It is slightly indicated by the Dodecarchy of Herodotus (li. 147).

<sup>6</sup> The first great battle was that of Raphia. (Supra, p. 144.)

<sup>7</sup> See Josh. xix. 44, where Eltekeh (אֶלְתֶּכֶחַ) is mentioned next to Ekron. It was a city of the Levites (Josh. xix. 23).

town in the vicinity of Ekron. Again the might of Africa yielded to that of Asia. The Egyptians and Ethiopians were defeated with great slaughter. Many chariots, with their drivers, both Egyptian and Ethiopian, fell into the hands of the conqueror, who also took alive several "sons" of the principal Egyptian monarch.<sup>8</sup> The immediate fruit of the victory was the fall of Altaku, which was followed by the capture of Tamna, a neighbouring town.<sup>9</sup> Sennacherib then "went on" to Ekron, which made no resistance, but opened its gates to the victor. The princes and chiefs who had been concerned in the revolt he took alive and slew, exposing their bodies on stakes round the whole circuit of the city walls. Great numbers of inferior persons, who were regarded as guilty of rebellion, were sold as slaves. Padi, the expelled king, the friend to Assyria, was brought back, reinstated in his sovereignty, and required to pay a small tribute as a token of dependence.<sup>10</sup>

The restoration of Padi involved a war with Hezekiah, king of Judah. When the Ekronites determined to get rid of a king whose Assyrian proclivities were distasteful to them, instead of putting him to death, they arrested him, loaded him with chains, and sent him to Hezekiah for safe keeping.<sup>11</sup> By accepting this charge the Jewish monarch made himself a partner in their revolt; and it was in part to punish this complicity, in part to compel him to give up Padi, that Sennacherib, when he had sufficiently chastised the Ekronite rebels, proceeded to invade Judæa. Then it was—in the fourteenth year of Hezekiah, according to the present Hebrew text<sup>12</sup>—that "Sennacherib,

<sup>8</sup> Perhaps not real "sons," but rather "servants." Compare the double use of *παῖς* in Greek.

<sup>9</sup> Tamna is no doubt Thimnatha (תִּמְנָתָה), the *θαύμα* of the Alexandrian codex, which is mentioned in Joshua (xix. 43) immediately before Ekron. This is probably not the Timnath or Timnatha of Samson's exploits.

<sup>10</sup> *As. Soc. Journ.* vol. xix. pp. 146, 147; *Inscriptions des Sargonides*, pp. 44, 45.

<sup>11</sup> The first intention was that Hezekiah should put Padi to death. The Ekronites, we are told, "sent Padi to

Hezekiah to be destroyed; but he prayed to God, and he (God) softened their hearts." It is remarkable that the determinative for "God" is here used alone, without the addition of any name of a god.

<sup>12</sup> If it was in Hezekiah's sixth year that Samaria was taken by Sargon, he should now have reached his twenty-seventh year. The Hebrew and Assyrian numbers are here irreconcilable. I should propose to read in 2 Kings xviii. 13, "twenty-seventh" for "fourteenth."

king of Assyria, came up against all the fenced cities of Judah and took them. And Hezekiah, king of Judah, sent to the king of Assyria to Lachish, saying, I have offended; return from me; that which thou putttest on me will I bear. And the king of Assyria appointed unto Hezekiah, king of Judah, three hundred talents of silver and thirty talents of gold. And Hezekiah gave him all the silver that was found in the house of the Lord, and in the treasures of the king's house. At that time did Hezekiah cut off [the gold from] the doors of the house of the Lord, and [from] the pillars which Hezekiah, king of Judah, had overlaid, and gave it to the king of Assyria."<sup>13</sup>

Such is the brief account of this expedition and its consequences which is given us by the author of the Second Book of Kings, who writes from a religious point of view, and is chiefly concerned at the desecration of holy things to which the imminent peril of his city and people forced the Jewish monarch to submit. It is interesting to compare with this account the narrative of Sennacherib himself, who records the features of the expedition most important in his eyes, the number of the towns taken and of the prisoners carried into captivity, the measures employed to compel submission, and the nature and amount of the spoil which he took with him to Nineveh.

"Because Hezekiah, king of Judah," says the Assyrian monarch,<sup>1</sup> "would not submit to my yoke, I came up against him, and by force of arms and by the might of my power I took forty-six of his strong fenced cities; and of the smaller towns which were scattered about I took and plundered a countless number. And from these places I captured and carried off as spoil 200,150 people, old and young, male and female, together with horses and mares, asses and camels, oxen and sheep, a countless multitude. And Hezekiah himself I shut up in Jerusalem, his capital city, like a bird in a cage, building towers round the city to hem him in, and raising banks of earth against

<sup>13</sup> 2 Kings xviii. 13-16.

<sup>1</sup> The translation of Sir H. Rawlinson, which has already appeared in the author's *Bampton Lectures* (pp. 141, 142, 1st edition) is here followed. It agrees in all essential points with the transla-

tions of Dr. Hincks (Layard, *Nineveh and Babylon*, pp. 143, 444), M. Oppert (*Inscriptions des Sargonides*, pp. 45, 46), and Mr. Fox Talbot (*Journ. of As. Soc.* vol. xix. pp. 147-149).



the gates, so as to prevent escape. . . . Then upon this Hezekiah there fell the fear of the power of my arms, and he sent out to me the chiefs and the elders of Jerusalem with thirty talents of gold and eight hundred talents of silver, and divers treasures, a rich and immense booty. . . . All these things were brought to me at Nineveh, the seat of my government, Hezekiah having sent them by way of tribute, and as a token of his submission to my power."

It appears then that Sennacherib, after punishing the people of Ekron, broke up from before that city, and entering Judæa proceeded towards Jerusalem, spreading his army over a wide space, and capturing on his way a vast number of small towns and villages,<sup>2</sup> whose inhabitants he enslaved and carried off to the number of 200,000.<sup>3</sup> Having reached Jerusalem, he commenced the siege in the usual way, erecting towers around the city, from which stones and arrows were discharged against the defenders of the fortifications, and "casting banks" against the walls and gates.<sup>4</sup> Jerusalem seems to have been at this time

<sup>2</sup> It is perhaps this desolation of the territory to which Isaiah alludes in his 24th chapter: "Behold, the Lord maketh the earth empty, and maketh it waste, and turneth it upside down, and scattereth abroad all the inhabitants thereof. . . . The land shall be utterly emptied, and utterly spoiled; for the Lord hath spoken this word. The earth mourneth and fadeth away, the world languisheth and fadeth away; the haughty people of the earth do languish. The earth also is defiled under the inhabitants thereof; because they have transgressed the laws, changed the ordinances, broken the everlasting covenant. Therefore has the curse devoured the earth, and they that dwell therein are desolate; therefore the inhabitants of the earth are burned, and few men left. The new wine mourneth, the vine languisheth, all the merry-hearted do sigh. The mirth of tabrets ceaseth, the noise of them that rejoice endeth, the joy of the harp ceaseth. They shall not drink wine with a song; strong drink shall be bitter to them that drink it. The city of confusion is broken down; every

house is shut up, that no man may come in. There is a crying for wine in the streets; all joy is darkened; and the mirth of the land is gone. In the city is left desolation, and the gate is smitten with destruction." (Is. xxiv. 1-12.)

<sup>3</sup> Demetrius regarded this as one of the great captivities, paralleling it with the previous captivity of Samaria, and with the final captivity of Jerusalem in the reign of Nebuchadnezzar. (Demetr. ap. Clem. Alex. *Strom.* i. p. 403.)

<sup>4</sup> Compare Is. xxix. 1-4, which seems to be a prophecy of this siege, the only one (so far as we know) that Jerusalem underwent at the hands of the Assyrians. "Woe to Ariel, to Ariel, the city where David dwelt! Add ye year to year; let them kill sacrifices. For I will distress Ariel, and there shall be heaviness and sorrow; and it shall be unto me as Ariel. And I will camp against thee round about, and will lay siege against thee with a mount, and I will raise forts against thee. And thou shalt be brought down, and shalt speak out of the ground, and thy speech shall be low out of the dust, and thy voice shall be as of one

very imperfectly fortified. The "breaches of the city of David" had recently been "many;" and the inhabitants had hastily pulled down the houses in the vicinity of the wall to fortify it.<sup>5</sup> It was felt that the holy place was in the greatest danger. We may learn from the conduct of the people, as described by one of themselves, what were the feelings generally of the cities threatened with destruction by the Assyrian armies. Jerusalem was at first "full of stirs and tumult;" the people rushed to the housetops to see if they were indeed invested, and beheld "the choicest valleys full of chariots, and the horsemen set in array at the gates."<sup>6</sup> Then came "a day of trouble, and of treading down, and of perplexity" — a day of "breaking down the walls and of crying to the mountains."<sup>7</sup> Amidst this general alarm and mourning there were, however, found some whom a wild despair made reckless, and drove to a ghastly and ill-timed merriment. When God by His judgments gave an evident "call to weeping, and to mourning, and to baldness, and to girding with sackcloth — behold joy and gladness, slaying oxen and killing sheep, eating flesh and drinking wine — 'Let us eat and drink, for to-morrow we shall die.'"<sup>8</sup> Hezekiah after a time came to the conclusion that resistance would be vain, and offered to surrender upon terms, an offer which Sennacherib, seeing the great strength of the place, and perhaps distressed for water,<sup>9</sup> readily granted. It was agreed that Hezekiah should undertake the payment of an annual tribute, to consist of thirty talents of gold and three hundred talents of silver, and that he should further yield up the chief treasures of the place as a "present" to the Great King. Hezekiah, in order to obtain at once a sufficient supply of gold, was forced to strip the walls and pillars

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that hath a familiar spirit, out of the ground, and thy speech shall whisper out of the dust."

<sup>5</sup> Is. xxii. 9, 10.

<sup>6</sup> Ib. verses 1, 2.

<sup>7</sup> Ib. verses 12, 13.

<sup>9</sup> It appears that Hezekiah either now or on the second occasion, when Jerusalem was threatened by Sennacherib, "stopped all the fountains which were without the city, and the brook

that ran through the midst of the land," because the people said, "Why should the Assyrian come and find much water?" (2 Chron. xxii. 3, 4; compare Is. xxii. 9, 11.) From both passages I should infer that the blocking of the fountains took place on this, the *first*, occasion. On the general subject of the changes made at this time in the water supply, see Williams's *Holy City*, vol. ii. pp. 472-482.

of the Temple, which were overlaid in parts with this precious metal.<sup>10</sup> He yielded up all the silver from the royal treasury and from the treasury of the Temple; and this amounted to five hundred talents more than the fixed rate of tribute. In addition to these sacrifices, the Jewish monarch was required to surrender Padi, his Ekronite prisoner, and was mulcted in certain portions of his dominions, which were attached by the conqueror to the territories of neighbouring kings.<sup>11</sup>

Sennacherib, after this triumph, returned to Nineveh, but did not remain long in repose. The course of events summoned him in the ensuing year — B.C. 700 — to Babylonia, where Merodach-Baladan, assisted by a certain Susub, a Chaldæan prince, was again in arms against his authority. Sennacherib first defeated Susub, and then, directing his march upon Beth-Yakin, forced Merodach-Baladan once more to quit the country and betake himself to one of the islands of the Persian Gulf, abandoning to Sennacherib's mercy his brothers and his other partisans.<sup>1</sup> It would appear that the Babylonian viceroy Belibus, who three years previously had been set over the country by Sennacherib, was either actively implicated in this revolt, or was regarded as having contributed towards it by a neglect of proper precautions. Sennacherib, on his return from the sea-coast, superseded him, placing upon the throne his own eldest son, Asshur-nadi-su, who appears to be the Asordanes of Polyhistor,<sup>2</sup> and the Aparanadius or Assaranadius<sup>3</sup> of Ptolemy's Canon.

The remaining events of Sennacherib's reign may be arranged in chronological order without much difficulty, but few of them can be dated with exactness. We lose at this point the invaluable aid of Ptolemy's Canon, which contains no notice of any

<sup>10</sup> 2 Chron. iii. 4-8.

<sup>11</sup> These were Mitinti king of Ashdod, Padi king of Ekron, and Tsilli-Bel king of Gaza. (*Inscriptions des Sargonides*, p. 45; *As. Soc. Journ.* vol. xix. p. 148.)

<sup>1</sup> *As. Soc. Journ.* vol. xix. pp. 149, 150; *Inscriptions des Sargonides*, p. 46.

<sup>2</sup> Ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. v. "Hoc (i.e. Eliho) tertium jam annum regnante, Senecheribus rex Assy-

iorum copias adversum Babylonios contrahebat, prælioque cum eis conserto, superior evadebat; captumque Elibum cum familiaribus ejus in Assyriam transferri jubebat. Is igitur Babyloniorum potitus, filium suum Asordanem eis regem imponebat; ipse autem in Assyriam reditum maturabat."

<sup>3</sup> This change would easily take place by the two *sigmas* (σσ) being mistaken for a *pi* (π).

event recorded in Sennacherib's inscriptions of later date than the appointment of Assaranadius.

It is probable<sup>4</sup> that in the year B.C. 699 Sennacherib conducted his second expedition into Palestine. Hezekiah, after his enforced submission two years earlier, had entered into negotiations with the Egyptians,<sup>5</sup> and looking to receive important succours from this quarter, had again thrown off his allegiance. Sennacherib, understanding that the real enemy whom he had to fear on his south-western frontier was not Judæa, but Egypt, marched his army through Palestine — probably by the coast route — and without stopping to chastise Jerusalem, pressed southwards to Libnah and Lachish,<sup>6</sup> which were at the extreme verge of the Holy Land, and were probably at this time subject to Egypt. He first commenced the siege of Lachish "with all his power;"<sup>7</sup> and while engaged in this operation, finding that Hezekiah was not alarmed by his proximity, and did not send in his submission, he detached a body of troops<sup>8</sup> from his main force, and sent it under a Tartan or general, supported by two high officers of the court — the Rabshakeh or Chief Cupbearer, and the Rab-saris or Chief Eunuch — to summon the rebellious city to surrender. Hezekiah was willing to treat, and sent out to the Assyrian camp, which was pitched just outside the walls, three high officials of his own to open negotiations. But the Assyrian envoys had not come to debate or even to offer terms, but to require the unconditional submission of both king and people. The Rabshakeh or cupbearer, who was familiar with the Hebrew language,<sup>9</sup> took the word and delivered his message in insulting

<sup>4</sup> There is nothing in the Assyrian records to fix, or even to suggest, this date. It is required in consequence of the length of Hezekiah's reign. As Hezekiah is given only 29 years (2 Kings xviii. 2; 2 Chron. xxix. 1), if Sennacherib's first invasion was in his twenty-seventh year, the second must, at the latest, have fallen two years later, since that would be Hezekiah's twenty-ninth or last year. The arrangements of the dates in the margin of our Bibles made *three* years intervene

between the first and second expeditions.

<sup>5</sup> This is implied in the reproach of Rabshakeh (2 Kings xviii. 21; Is. xxxvi. 6). It seems to be alluded to in Is. xxxi. 1-3, and stated positively in Is. xxx. 4.

<sup>6</sup> 2 Kings xix. 8.

<sup>7</sup> 2 Chron. xxxii. 9.

<sup>8</sup> 2 Kings xviii. 17; Is. xxxvi. 2.

<sup>9</sup> It has been supposed from this fact that he was a renegade Jew (Prideaux, Milman). But there is no need of this supposition. Hebrew is so like Assyrian

phrase, laughing at the simplicity which could trust in Egypt, and the superstitious folly which could expect a divine deliverance, and defying Hezekiah to produce so many as two thousand trained soldiers capable of serving as cavalry. When requested to use a foreign rather than the native dialect, lest the people who were upon the walls should hear, the bold envoy, with an entire disregard of diplomatic forms, raised his voice and made a direct appeal to the popular fears and hopes, thinking to produce a tumultuary surrender of the place, or at least an outbreak of which his troops might have taken advantage. His expectations, however, were disappointed; the people made no response to his appeal, but listened in profound silence; and the ambassadors, finding that they could obtain nothing from the fears of either king or people, and regarding the force that they had brought with them as insufficient for a siege, returned to their master with the intelligence of their ill-success.<sup>10</sup> The Assyrian monarch had either taken Lachish or raised its siege, and was gone on to Libnah, where the envoys found him. On receiving their report, he determined to make still another effort to overcome Hezekiah's obstinacy; and accordingly he despatched fresh messengers with a letter to the Jewish king, in which he was reminded of the fate of various other kingdoms and peoples which had resisted the Assyrians, and once more urged to submit himself.<sup>11</sup> It was this letter — perhaps a royal autograph — which Hezekiah took into the temple and there "spread it before the Lord," praying God to "bow down his ear and hear" — to "open his eyes and see, and hear the words of Sennacherib, which had sent to reproach the living God."<sup>12</sup> Upon this Isaiah was commissioned to declare to his afflicted sovereign that the kings of Assyria were mere instruments in God's hands to destroy such nations as He pleased, and that none of Sennacherib's threats against Jerusalem should be accomplished. God, Isaiah told him,

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that an Assyrian would acquire it with great facility. At any rate, it is not more surprising that an Assyrian officer should know Hebrew than that three

Jewish officers should understand Aramaic. (2 Kings xviii. 26.)

<sup>10</sup> 2 Kings xix. 8.

<sup>11</sup> Ibid. 9-13.

<sup>12</sup> Ibid. 14-16.

would "put his hook in Sennacherib's nose, and his bridle in his lips, and turn him back by the way by which he came." The Lord had said, concerning the king of Assyria, "He shall not come into this city, nor shoot an arrow there, nor come before it with shield, nor cast a bank against it. By the way that he came, by the same shall he return, and shall not come into this city. For I will defend this city, to save it, for my own sake, and for my servant David's sake."<sup>18</sup>

Meanwhile it is probable that Sennacherib, having received the submission of Libnah, had advanced upon Egypt. It was important to crush an Egyptian army which had been collected against him by a certain Sethos, one of the many native princes who at this time ruled in the Lower country,<sup>1</sup> before the great Ethiopian monarch Tehrak or Tirhakah, who was known to be on his march,<sup>2</sup> should effect a junction with the troops of this minor potentate. Sethos, with his army, was at Pelusium;<sup>3</sup> and Sennacherib, advancing to attack him, had arrived within sight of the Egyptian host, and pitched his camp over against the camp of the enemy, just at the time<sup>4</sup> when Hezekiah received his letter and made the prayer to which Isaiah was instructed to respond. The two hosts lay down at night in their respective stations, the Egyptians and their king full of anxious alarm, Sennacherib and his Assyrians proudly confident, intending on the morrow to advance to the combat and

<sup>18</sup> 2 Kings xix. 20-34. On the receipt of the message sent by Rabshakeh, Isaiah had declared — "Thus saith the Lord God, 'Be not afraid of the words which thou hast heard, with which the servants of the king of Assyria have blasphemed me. Behold, I will send a blast upon him, and he shall hear a rumour, and shall return to his own land; and I will cause him to fall by the sword in his own land.'" (Ibid. 6, 7.)

<sup>1</sup> Herod. ii. 141. According to some writers, the Sethos of Herodotus is the Zet of Manetho, the last king of the twenty-third dynasty, who reigned at Tanis (Zoan), while Bocchoris was reigning at Sais, and the Ethiopians in Upper Egypt. (Hincks in *Athenæum*, No. 1878, p. 534; Stuart Poole in *Smith's Biblical Dictionary*, vol. iii. p.

1856, ad voc. ZOAN.) The fact of a number of princes at this time dividing Egypt is apparent both in Scripture (Is. xix. 2), and in the Assyrian Inscriptions. (*Inscriptions des Sargonides*, p. 44.)

<sup>2</sup> 2 Kings xix. 9. The Apis stelæ show that Tirhakah did not ascend the throne of Egypt till B.C. 690, eight years after this; but he may have been already — as he is called in Scripture — "king of Ethiopia."

<sup>3</sup> Herod. ii. 141. It is thought that the main outline of the narrative in this writer is compatible with the account in the Book of Kings, and may be used to fill up its chasms.

<sup>4</sup> And it came to pass that night, that the angel of the Lord went out," &c. (2 Kings xix. 35.)

repeat the lesson taught at Raphia and Altaku.<sup>5</sup> But no morrow was to break on the great mass of those who took their rest in the tents of the Assyrians. The divine fiat had gone forth. In the night, as they slept, destruction fell upon them. "The angel of the Lord went out, and smote in the camp of the Assyrians an hundred fourscore and five thousand: and when they arose early in the morning, behold, they were all dead corpses." A miracle, like the destruction of the first-born,<sup>6</sup> had been wrought, but this time on the enemies of the Egyptians, who naturally ascribed their deliverance to the interposition of their own gods;<sup>7</sup> and seeing the enemy in confusion and retreat, pressed hastily after him, distressed his flying columns, and cut off his stragglers.<sup>8</sup> The Assyrian king returned home to Nineveh, shorn of his glory, with the shattered remains of his great host, and cast that proud capital into a state of despair and grief, which the genius of an Æschylus might have rejoiced to depict,<sup>9</sup> but which no less powerful pen could adequately portray.

It is difficult to say how soon Assyria recovered from this terrible blow. The annals of Sennacherib, as might have been expected, omit it altogether, and represent the Assyrian monarch as engaged in a continuous series of successful campaigns, which seem to extend uninterruptedly from his third to his tenth year.<sup>10</sup> It is possible that while the Syrian expedition was in progress under the eye of Sennacherib himself, a successful war was being conducted by one of his generals in the mountains of Armenia, and that Sennacherib was thus enabled, without absolutely falsifying history, to parade as his own certain victories gained by this leader in the very year

<sup>5</sup> Supra, pp. 144 and 159.

<sup>6</sup> I cannot accept the view that the Assyrian army was destroyed by the Simoom, owing to the foreign forces of Sennacherib being little acquainted with the means of avoiding this unusual enemy. (Milman, *History of the Jews*, vol. i. p. 307.) The Simoom would not have destroyed one army and left the other unhurt. Nor would it have remained for the survivors to find when they awoke in the morning that the camp

contained 185,000 dead men. The narrative implies a secret, sudden taking away of life during sleep, by direct Divine interposition.

<sup>7</sup> Herod. ii. 141, ad fin.

<sup>8</sup> Ibid.

<sup>9</sup> See the *Persæ*, 893-1055.

<sup>10</sup> Sennacherib, however, does not speak of years, but of campaigns. ("In my first campaign," "In my second campaign," and the like.) M. Oppert translates more correctly than Mr. Fox Talbot.

of his own reverse. It is even conceivable that the power of Assyria was not so injured by the loss of a single great army, as to make it necessary for her to stop even for one year in the course of her aggressive warfare; and thus the expeditions of Sennacherib may form an uninterrupted series, the eight campaigns which are assigned to him occupying eight consecutive years. But on the other hand it is quite as probable that there are gaps in the history, some years having been omitted altogether. The Taylor Cylinder records but eight campaigns, yet it was certainly written as late as Sennacherib's fifteenth year.<sup>11</sup> It contains no notice of any events in Sennacherib's first or second year; and it may consequently make other omissions covering equal or larger intervals. Thus the destruction of the Assyrian army at Pelusium may have been followed by a pause of some years' duration in the usual aggressive expeditions; and it may very probably have encouraged the Babylonians in the attempt to shake off the Assyrian yoke, which they certainly made towards the middle of Sennacherib's reign.

But while it appears to be probable that consequences of some importance followed on the Pelusiac calamity, it is tolerably certain that no such tremendous results flowed from it as some writers have imagined. The murder of the disgraced Sennacherib "within fifty-five days" of his return to Nineveh,<sup>12</sup> seems to be an invention of the Alexandrian Jew who wrote the Book of Tobit. The total destruction of the empire in consequence of the blow, is an exaggeration of Josephus,<sup>13</sup> rashly credited by some moderns.<sup>14</sup> Sennacherib did not die till B.C. 681, seventeen years after his misfortune;<sup>15</sup> and the Empire suffered so little that we find Esar-haddon, a few years later, in full possession of all the territory that any king before him

<sup>11</sup> This is proved by the name of the Eponym. The date may be later, for the same person, or a person of the same name, was Eponym five years afterwards, in Sennacherib's twentieth year.

<sup>12</sup> Tobit i. 21.

<sup>13</sup> *Ant. Jud.* x. 2. 'Εν τούτοις τῷ χρόνῳ συνέβη τὴν τῶν Ἀσσυρίων ἀρχὴν ὑπὸ Μήδων καταλυθῆναι.

<sup>14</sup> As Clinton, *Fasti Hellenici*, vol. i. pp. 279, 280.

<sup>15</sup> The expression in 2 Kings xix. 36, that "Sennacherib departed, and went and returned, and dwelt at Nineveh," implies some considerable length of time, and shows the unhistorical character of Tobit.



had ever held, ruling from Babylonia to Egypt, or (as he himself expresses it) "from the rising up of the sun to the going down of the same."<sup>16</sup> Even Sennacherib himself was not prevented by his calamity from undertaking important wars during the latter part of his reign. We shall see shortly that he recovered Babylon, chastised Susiana, and invaded Cilicia, in the course of the seventeen years which intervened between his flight from Pelusium and his decease. Moreover, there is evidence that he employed himself during this part of his reign in the consolidation of the Western provinces, which first appear about his twelfth year as integral portions of the Empire, furnishing eponyms in their turn,<sup>1</sup> and thus taking equal rank with the ancient provinces of Assyria Proper, Adiabêné, and Mesopotamia.

The fifth campaign of Sennacherib, according to his own annals, was partly in a mountainous country which he calls Nipur or Nibur—probably the most northern portion of the Zagros range<sup>2</sup> where it abuts on Ararat. He there took a number of small towns, after which he proceeded westward and contended with a certain Maniya, king of Dayan, which was a part of Taurus bordering on Cilicia.<sup>3</sup> He boasts that he penetrated further into this region than any king before him; and the boast is confirmed by the fact that the geographical names which appear are almost entirely new to us.<sup>4</sup> The expedition was a plundering raid, not an attempt at conquest. Sennacherib ravaged the country, burnt the towns, and carried away with him all the valuables, the flocks and herds, and the inhabitants.

<sup>16</sup> *Assyrian Texts*, p. 10.

<sup>1</sup> In B.C. 694, Sennacherib's 12th year, the Prefect of Damascus is Eponym; in B.C. 692 the Prefect of Arpad; and in B.C. 691 the Prefect of Carchemish. None of these places had furnished eponyms previously.

<sup>2</sup> This emplacement depends almost entirely on the name Nibur, which seems to be represented by the Mt. Nibarus (*Nibapos*) of Strabo. This range lay east of Niphates, stretching as far as Media (*παρὰ τοὺς μὲν τῆς Μηδίας*, xi. p. 766). It seems rightly regarded as the *Ala Dayh*, a range due north of Lake Van.

<sup>3</sup> *Dayan* is mentioned on the Tiglath-

Pileser cylinder among the countries of the Nairi. (*Inscription*, p. 46.) A bull-inscription of Sennacherib shows that it lay to the extreme west of their country, where it abutted on Cilicia and the country of the Tibareni (Tubal).

<sup>4</sup> *Dayan* is not new; but *Uzza*, its capital, and its strongholds, *Anara* and *Uppa*, are new names. Mr. Fox Talbot conjectures that Anara is "the celebrated Aornus, besieged many ages afterwards by Alexander the Great." (*As. Soc. Journ.* vol. xix. p. 153.) But Aornus was in Bactria, far beyond the utmost limit to which the Assyrian arms ever penetrated eastward.

After this it appears that for at least three years he was engaged in a fierce struggle with the combined Babylonians and Susianians. The troubles recommenced by an attempt of the Chaldæans of Beth-Yakin to withdraw themselves from the Assyrian territory, and to transfer their allegiance to the Elymæan king. Carrying with them their gods and their treasures, they embarked in their ships, and crossing "the Great Sea of the Rising Sun"—i.e. the Persian Gulf—landed on the Elamitic coast, where they were kindly received and allowed to take up their abode. Such voluntary removals are not uncommon in the East;<sup>5</sup> and they constantly give rise to complaints and reclamations, which not unfrequently terminate in an appeal to the arbitrament of the sword. Sennacherib does not inform us whether he made any attempt to recover his lost subjects by diplomatic representations at the court of Susa. If he did, they were unsuccessful; and in order to obtain redress, he was compelled to resort to force, and to undertake an expedition into the Elamitic territory. It is remarkable that he determined to make his invasion by sea. Their frequent wars on the Syrian coasts had by this time familiarised the Assyrians with the idea, if not with the practice, of navigation; and as their suzerainty over Phœnicia placed at their disposal a large body of skilled shipwrights, and a number of the best sailors in the world, it was natural that they should resolve to employ naval as well as military force to advance their dominion. We have seen that, as early as the time of Shalmaneser, the Assyrians ventured themselves in ships, and, in conjunction with the Phœnicians of the mainland, engaged the vessels of the Island Tyre.<sup>6</sup> It is probable that the precedent thus set was followed by later kings, and that both Sargon and Sennacherib had had the permanent, or occasional, services of a fleet on the Mediterranean. But there was a wide difference between such an employment of the navies belonging to their subjects on the sea to which they were accustomed, and the transfer to the opposite extremity of

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<sup>5</sup> Compare the removal of the Scyths from Media to Lydia in the reign of Cyaxares, which is said to have produced the Lydian war of that king (Herod. i. 73, 74), and the instances collected by Mr. Grote (*History of Greece*, vol. ii. p. 417, note<sup>1</sup>, 2nd edition).

<sup>6</sup> Supra, p. 137.

the empire of the naval strength hitherto confined to the Mediterranean. This thought—certainly not an obvious one—seems to have first occurred to Sennacherib. He conceived the idea of having a navy on both the seas that washed his dominions; and, possessing on his western coast only an adequate supply of skilled shipwrights and sailors,<sup>7</sup> he resolved on transporting from his western to his eastern shores such a body of Phœnicians as would enable him to accomplish his purpose. The shipwrights of Tyre and Sidon were carried across Mesopotamia to the Tigris, where they constructed for the Assyrian monarch a fleet of ships like their own galleys,<sup>8</sup> which descended the river to its mouth, and astonished the populations bordering on the Persian Gulf with a spectacle never before seen in those waters. Though the Chaldæans had for centuries navigated this inland sea, and may have occasionally ventured beyond its limits, yet neither as sailors nor as ship-builders was their skill to compare with that of the Phœnicians. The masts and sails, the double tiers of oars, the sharp beaks of the Phœnician ships, were (it is probable) novelties to the nations of these parts, who saw now, for the first time, a fleet debouche from the Tigris, with which their own vessels were quite incapable of contending.

When his fleet was ready Sennacherib put to sea, and crossed in his Phœnician ships from the mouth of the Tigris to the tract occupied by the emigrant Chaldæans, where he landed and destroyed the newly-built city, captured the inhabitants, ravaged the neighbourhood, and burnt a number of Susianian towns, finally re-embarking with his captives—Chaldæan and Susianian—whom he transported across the gulf to the Chaldæan coast, and then took with him into Assyria. This whole expedition seems to have taken the Susianians by surprise. They had probably expected an invasion by land, and had collected their forces towards the north-western frontier, so

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<sup>7</sup> The Chaldæans, whose "cry was in the ships" (Is. xliii. 14), no doubt possessed a mercantile marine which had long been accustomed to the navigation of the Persian Gulf. (See above, vol. i. pp. 26 and 101.) But they probably

fell very far short of the Phœnicians both as respected their vessels and their nautical skill.

<sup>8</sup> Sennacherib calls them "Syrian vessels." Most probably they were biremes.

that when the troops of Sennacherib landed far in their rear, there were no forces in the neighbourhood to resist them. However, the departure of the Assyrians on an expedition regarded as extremely perilous, was the signal for a general revolt of the Babylonians, who once more set up a native king in the person of Susub,<sup>9</sup> and collected an army with which they made ready to give the Assyrians battle on their return. Perhaps they cherished the hope that the fleet which had tempted the dangers of an unknown sea would be seen no more, or expected that, at the best, it would bring back the shattered remnants of a defeated army. If so, they were disappointed. The Assyrian troops landed on their coast flushed with success, and finding the Babylonians in revolt, proceeded to chastise them; defeated their forces in a great battle; captured their king, Susub; and when the Susianians came, somewhat tardily, to their succour, attacked and routed their army. A vast number of prisoners, and among them Susub himself, were carried off by the victors and conveyed to Nineveh.<sup>10</sup>

Shortly after this successful campaign, possibly in the very next year, Sennacherib resolved to break the power of Susiana by a great expedition directed solely against that country. The Susianians had, as already related,<sup>11</sup> been strong enough in the reign of Sargon to deprive Assyria of a portion of her territory; and Kudur-Nakhunta,<sup>1</sup> the Elymæan king, still held two cities, Beth-Kahiri and Raza, which were regarded by Sennacherib as a part of his paternal inheritance. The first object of the war was the recovery of these two towns, which were taken without any difficulty and reattached to the Assyrian Empire.<sup>2</sup> Sennacherib then pressed on into the heart of Susiana, taking and destroying thirty-four large cities, whose names he mentions, together with a still greater number of villages, all of which he gave to the flames. Wasting and destroying in this way he drew near to Vadakat or Badaca,<sup>3</sup> the second city

<sup>9</sup> See above, p. 164.

<sup>10</sup> *Inscriptions des Sargonides*, pp. 47, 48; *Journal of the Asiatic Society*, vol. xix. pp. 154-156.

<sup>11</sup> *Supra*, p. 152.

<sup>1</sup> Kudur-Nakhunta was the son of Sutrak-Nakhunta, the antagonist of

Sargon (*supra*, p. 151). Bricks of Kudur-Nakhunta, brought from Susa, are in the Assyrian Collection of the British Museum.

<sup>2</sup> *Inscriptions des Sargonides*, p. 48.

<sup>3</sup> Badaca is placed by Diodorus on

of the kingdom, where Kudur-Nakhunta had for the time fixed his residence. The Elamitic king, hearing of his rapid approach, took fright, and, hastily quitting Badaca, fled away to a city called Khidala, at the foot of the mountains, where alone he could feel himself in safety. Sennacherib then advanced to Badaca, besieged it, and took it by assault; after which affairs seem to have required his presence at Nineveh, and, leaving his conquest incomplete, he returned home with a large booty.

A third campaign in these parts, the most important of all, followed. Susub, the Chaldæan prince whom Sennacherib had carried off to Assyria, in the year of his naval expedition,<sup>4</sup> escaped from his confinement, and, returning to Babylon, was once more hailed as king by the inhabitants. Aware of his inability to maintain himself on the throne against the will of the Assyrians, unless he were assisted by the arms of a powerful ally, he resolved to obtain, if possible, the immediate aid of the neighbouring Elamitic monarch. Kudur-Nakhunta, the late antagonist of Sennacherib, was dead, having survived his disgraceful flight from Badaca only three months;<sup>5</sup> and Umman-minan, his younger brother, held the throne. Susub, bent on contracting an alliance with this prince, did not scruple at an act of sacrilege to obtain his end. He broke open the treasury of the great temple of Bel at Babylon, and seizing the gold and silver belonging to the god, sent it as a present to Umman-minan, with an urgent entreaty that he would instantly collect his troops and march to his aid.<sup>6</sup> The Elamitic monarch, yielding to a request thus powerfully backed, and perhaps sufficiently wise to see that the interests of Susiana required an independent Babylon, set his troops in motion without any delay, and advanced to the banks of the Tigris. At the same time a number of the Aramæan tribes on the middle Euphrates, which Sennacherib had reduced in his third year,<sup>7</sup> revolted, and

the Eulæus, between Susa and Ecbatana (xix. 19). It seems to have been situated at the point where the Kerkhah originally bifurcated, sending down an eastern arm which fell into the Kuran at Ahwaz. (See Loftus, *Chaldæa and Susiana*, p. 424.) <sup>4</sup> See above, p. 173.

<sup>5</sup> So Mr. Fox Talbot understands the

passage (*As. Soc. Journ.* vol. xix. p. 159). It is thought, however, by some to mean that the whole reign of Kudur-Nakhunta lasted only three months.

<sup>6</sup> Compare the conduct of Ahaz (2 Kings xvi. 8).

<sup>7</sup> Supra, p. 157. The principal of these tribes were the Pukudu (Pekod)

sent their forces to swell the army of Susub. A great battle was fought at Khaluli, a town on the lower Tigris, between the troops of Sennacherib and this allied host; the combat was long and bloody, but at last the Assyrians conquered. Susub and his Elamitic ally took to flight and made their escape. Nebosumiskun, a son of Merodach-Baladan, and many other chiefs of high rank, were captured. The army was completely routed and broken up.<sup>8</sup> Babylon submitted, and was severely punished; the fortifications were destroyed, the temples plundered and burnt, and the images of the gods broken to pieces. Perhaps the rebel city now received for viceroy Regibelus or Mesesimordachus, whom the Canon of Ptolemy, which is silent about Susub, makes contemporary with the middle portion of Sennacherib's reign.<sup>9</sup>

The only other expedition which can be assigned, on important evidence, to the reign of Sennacherib, is one against Cilicia, in which he is said to have been opposed by Greeks.<sup>10</sup> According to Abydenus, a Greek fleet guarded the Cilician shore, which the vessels of Sennacherib engaged and defeated. Polyhistor seems to say that the Greeks also suffered a defeat by land in Cilicia itself, after which Sennacherib took possession of the country, and built Tarsus there on the model of Babylon.<sup>1</sup> The

the Gambulu, the Khindaru, the Ruhua, and the Damunu.

<sup>8</sup> *Inscriptions des Sargonides*, pp. 49-51; *Journal of the Asiatic Society*, vol. xix. pp. 159-163.

<sup>9</sup> Regibelus ascends the throne in B.C. 693, and Mesesimordachus in the following year. These are the 13th and 14th years of Sennacherib. The omission of Susub from the Canon may be accounted for by the probable fact that neither of his two reigns lasted for a full year. That he was actual king is proved by a "contract" tablet in the British Museum dated in his reign.

<sup>10</sup> Polyhist. ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. v.:—"Is igitur (i.e. Sennacherib) Babyloniorum potitus, filium suum Asordanem eis regem imponebat, ipse autem in Assyriam reditum maturabat. Mox quum ad ejus aures rumor esset perlatus, Græcos in Ciliciam coactis copiis bellum transtulisse, eos protinus

aggressus est, prælioque inito, multis suorum amissis, hostes nihilominus profligavit: suamque imaginem, ut esset victoriae monumentum, eo loco erectam reliquit; cui Chaldaicis litteris res a se gestas insculpi mandavit ad memoriam temporum sempiternam. Tarsum quoque urbem ab eo structam ait ad Babylonis exemplar, eidemque nomen inditum Tharsin." Abyden. ap. eund. c. ix.:—"His temporibus quintus denique et vigesimus rex fuit Sennacherib, qui Babylonem sibi subdidit, et in Ciliciæ maris litore classem Græcorum profligatum disjecit. Hic etiam templum Atheniensium (!) struxit. Ærea quoque signa facienda curavit, in quibus sua facinora traditur inscripsisse. Tarsum denique ea forma, qua Babylon utitur, condidit, ita ut media Tarso Cydnuis amnis transiret, prorsus ut Babylonem dividit Arazanes."

<sup>1</sup> It is not certain that this means

prominence here given to Greeks by Greek writers is undoubtedly remarkable, and it throws a certain amount of suspicion over the whole story. Still, as the Greek element in Cyprus was certainly important at this time,<sup>2</sup> and as the occupation of Cilicia by the Assyrians may have appeared to the Cyprian Greeks to endanger their independence, it is conceivable that they lent some assistance to the natives of the country, who were a hardy race, fond of freedom, and never very easily brought into subjection.<sup>3</sup> The admission of a double defeat makes it evident that the tale is not the invention of Greek national vanity. Abydenus and Polyhistor probably derive it from Berosus, who must also have made the statement that Tarsus was now founded by Sennacherib, and constructed after the pattern of Babylon. The occupation of newly conquered countries, by the establishment in them of large cities in which foreign colonists were placed by the conquerors, was a practice commenced by Sargon,<sup>4</sup> which his son is not unlikely to have followed. Tarsus was always regarded by the Greeks as an Assyrian town;<sup>5</sup> and although they gave different accounts of the time of its foundation, their disagreement in this respect does not invalidate their evidence as to the main fact itself, which is intrinsically probable. The evidence of Polyhistor and Abydenus as to the date of the foundation, representing, as it must, the testimony of Berosus upon the point, is to be preferred; and we may accept it as a fact, beyond all reasonable doubt, that the native city of St. Paul derived, if not its origin, yet, at any rate, its later splendour and magnificence, from the antagonist of Hezekiah.<sup>6</sup>

more than the emplacement of the town on both sides of the Cydnus, so that the stream ran through it. (See the parallel passage in Abydenus.)

<sup>2</sup> See below, p. 200, note <sup>2</sup>.

<sup>3</sup> Cilicia remained independent at the time of the formation of the Lydian Empire (Herod. i. 28). It had its own kings, and enjoyed a certain amount of independence under the Persians (ibid. vii. 98; Æschyl. *Pers.* 328-330; Xen. *Anab.* i. 2, § 25).

<sup>4</sup> See above, p. 151.

<sup>5</sup> The Greeks generally ascribed the

foundation of Tarsus to Sardanapalus, the best known of the Assyrian monarchs. (See Hellan. Fr. 158; Apollodor. Fr. 69; Strab. xiv. p. 968; Arrian. *Exp. Alex.* ii. 5; Athenæus, *Deipn.* xii. 7; Eustath. ad Dionys. Per. 873.)

<sup>6</sup> If the Tarshish of Gen. x. 4, which is joined with Kittim (Cyprus), Rodanim (Rhodes), and Elishah (Æolis, Elis) is allowed to be Tarsus (Joseph. *Ant. Jud.* i. 6), the original foundation of the city must have preceded the time of Sennacherib.

That this Cilician war occurred late in the reign of Sennacherib, appears to follow from the absence of any account of it from his general annals.<sup>7</sup> These, it is probable, extend no further than his sixteenth year, B.C. 689, thus leaving blank his last eight years, from B.C. 689 to 681. The defeat of the Greeks, the occupation of Cilicia, and the founding of Tarsus, may well have fallen into this interval. To the same time may have belonged Sennacherib's conquest of Edom.<sup>8</sup>

There is reason to suspect that these successes of Sennacherib on the western limits of his empire were more than counter-balanced by a contemporaneous loss at the extreme south-east. The Canon of Ptolemy marks the year B.C. 688 as the first of an interregnum at Babylon which continues from that date till the accession of Esar-haddon in B.C. 680. Interregna in this document — *ἐτη ἀβασίλευτα*, as they are termed — indicate periods of extreme disturbance, when pretender succeeded to pretender, or when the country was split up into a number of petty kingdoms. The Assyrian yoke, in either case, must have been rejected; and Babylonia must have succeeded at this time in maintaining, for the space of eight years, a separate and independent existence, albeit troubled and precarious. The fact that she continued free so long, while she again succumbed at the very commencement of the reign of Esar-haddon, may lead us to suspect that she owed this spell of liberty to the increasing years of the Assyrian monarch, who, as the infirmities of age crept upon him, felt a disinclination towards distant expeditions.

The military glory of Sennacherib was thus in some degree tarnished; first, by the terrible disaster which befell his host on the borders of Egypt; and, secondly, by his failure to maintain the authority which, in the earlier part of his reign, he had established over Babylon. Still, notwithstanding these mis-

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<sup>7</sup> In the epitome of Sennacherib's wars inscribed upon the Koyunjik bulls, there is a statement that he "triumphantly subdued the men of Cilicia inhabiting the inaccessible forests." This epitome dates from the first Susian ex-

pedition — ab. B.C. 695. If therefore the war to which it alludes is the same as that mentioned by the Greeks, the date in the text must be modified.

<sup>8</sup> *Infra*, p. 189.



fortunes, he must be pronounced one of the most successful of Assyria's warrior kings, and altogether one of the greatest princes that ever sat on the Assyrian throne. His victories of Eltekeh and Khaluli seem to have been among the most important battles that Assyria ever gained. By the one Egypt and Ethiopia, by the other Susiana and Babylon, were taught that, even united, they were no match for the Assyrian hosts. Sennacherib thus wholesomely impressed his most formidable enemies with the dread of his arms, while at the same time he enlarged, in various directions, the limits of his dominions. He warred in regions to which no earlier Assyrian monarch had ever penetrated; and he adopted modes of warfare on which none of them had previously ventured. His defeat of a Greek fleet in the Eastern Mediterranean, and his employment of Phœnicians in the Persian Gulf, show an enterprise and versatility which we observe in few Orientals. His selection of Tarsus for the site of a great city indicates a keen appreciation of the merits of a locality.<sup>9</sup> If he was proud, haughty, and self-confident, beyond all former Assyrian kings,<sup>10</sup> it would seem to have been because he felt that he had resources within himself — that he possessed a firm will, a bold heart, and a fertile invention. Most men would have laid aside the sword and given themselves wholly to peaceful pursuits, after such a disaster as that of Pelusium. Sennacherib accepted the judgment as a warning to attempt no further conquests in those parts, but did not allow the calamity to reduce him to inaction. He wisely turned his sword against other enemies, and was rewarded by important successes upon all his other frontiers.

But if, as a warrior, Sennacherib deserves to be placed in the foremost rank of the Assyrian kings, as a builder and a patron

<sup>9</sup> On the importance of Tarsus in Greek and Roman times, see Xen. *Anab.* i. 2, § 23; Cæs. *Bell. Alex.* 66; Strab. xiv. p. 960; Dionys. *Perieg.* i. 869; Solin. 41, &c. *Tarsos* is still a city with a population of 30,000.

<sup>10</sup> Isaiah x. 12-14; 2 Kings xix. 23-28. Sennacherib calls himself in his inscriptions, "the great king, the powerful king, the king of nations, the king of

Assyria, the king of the four regions, the diligent ruler, the favourite of the great gods, the observer of sworn faith, the guardian of the law, the embellisher of public buildings, the noble hero, the strong warrior, the first of kings, the punisher of unbelievers, the destroyer of wicked men." (*Inscriptions des Sargonides*, p. 41; compare *As. Soc. Journ.* vol. xix. p. 135.)

of art he is still more eminent. The great palace which he raised at Nineveh surpassed in size and splendour all earlier edifices, and was never excelled in any respect except by one later building. The palace of Asshur-bani-pal, built on the same platform by the grandson of Sennacherib, was, it must be allowed, more exquisite in its ornamentation; but even this edifice did not equal the great work of Sennacherib in the number of its apartments, or the grandeur of its dimensions. Sennacherib's palace covered an area of above eight acres. It consisted of a number of grand halls and smaller chambers, arranged round at least three courts or quadrangles. These courts were respectively 154 feet by 125, 124 feet by 90, and probably a square of about 90 feet.<sup>1</sup> Round the smallest of the courts were grouped apartments of no great size, which, it may be suspected, belonged to the seraglio of the king. The seraglio seems to have been reached through a single narrow passage,<sup>2</sup> leading out of a long gallery—218 feet by 25<sup>3</sup>—which was approached only through two other passages, one leading from each of the two main courts. The principal halls were immediately within the two chief entrances—one on the north-east, the other on the opposite or south-west front of the palace. Neither of these two rooms has been completely explored; but the one appears to have been more than 150 and the other<sup>4</sup> was probably 180 feet in length, while the width of each was a little more than 40 feet. Besides these two great halls and the grand gallery already described, the palace contained about twenty rooms of a considerable size, and at least forty or fifty smaller chambers, mostly square, or nearly so, opening out of some hall or large apartment. The actual number of the rooms explored is about sixty;<sup>5</sup> but as in many parts the examination

<sup>1</sup> This third or *Harem* Court was very partially explored. The one side uncovered measured ninety-three feet. Mr. Layard in his restoration (*Nineveh and Babylon*, Plan 1, opp. p. 67) makes the width of the court eighty-four feet, but it may easily have been ninety feet or even more.

<sup>2</sup> It is not quite certain that this passage led to the apartments in ques-

tion, as it was not explored to the end; but its apparent object was to conduct to the north-west group of chambers.

<sup>3</sup> Layard, *Nineveh and Babylon*, p. 103.

<sup>4</sup> This hall was traced to a distance of 160 feet. Assuming that it had the same sort of correspondence and regularity as the halls at Khorsabad, its entire length must have been 180 feet.

<sup>5</sup> Mr. Layard counts seventy-one

of the building is still incomplete, we may fairly conjecture that the entire number was not less than seventy or eighty.

The palace of Sennacherib preserved all the main features of Assyrian architecture. It was elevated on a platform, eighty or ninety feet above the plain, artificially constructed, and covered with a pavement of bricks. It had probably three grand façades—one on the north-east, where it was ordinarily approached from the town,<sup>6</sup> and the two others on the south-east and the south-west, where it was carried nearly to the edge of the platform, and overhung the two streams of the Khosr-su and the Tigris. Its principal apartment was that which was first entered by the visitor. All the walls ran in straight lines, and all the angles of the rooms and passages were right angles. There were more passages in the building than usual;<sup>7</sup> but still the apartments very frequently opened into one another; and almost one-half of the rooms were passage-rooms. The doorways were mostly placed without any regard to regularity, seldom opposite one another, and generally towards the corners of the apartments. There was the curious feature, so common in Assyrian edifices, of a room being entered from a court, or from another room, by two or three doorways,<sup>8</sup> which is best explained by supposing that the rank of the person determined the door by which he might enter. Squared recesses in the sides of the rooms were common. The thickness of the walls was great. The apartments, though wider than in other palaces, were still narrow for their length, never much exceeding forty feet; while the courts were much better proportioned.

It was in the size and the number of his rooms, in his use of passages, and in certain features of his ornamentation, that Sennacherib chiefly differed from former builders. He increased the width of the principal state apartments by one-third, which seems to imply the employment of some new mode or material

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chambers; but he includes in this estimate the three courts, the long gallery, four passages, and four rooms which were imagined rather than proved to exist.

<sup>6</sup> Two great ravines on this side probably mark the position of flights of

steps, or inclined ways, which led up to the platform from the lower level of the city.

<sup>7</sup> On the rare use of passages by the Assyrians, see above, vol. i. p. 285.

<sup>8</sup> So at Khorsabad (vol. i. p. 281) and at Nimrud (*supra*, p. 92).

for roofing.<sup>9</sup> In their length he made less alteration, only advancing from 150 to 180 feet, evidently because he aimed, not merely at increasing the size of his rooms, but at improving their proportions. In one instance alone — that of a gallery or passage-room, leading (apparently) from the more public part of the palace to the *hareem* or private apartments — did he exceed this length, uniting the two portions of the palace by a noble corridor, 218 feet long by 25 feet wide. Into this corridor he brought passages from the two public courts, which he also united together by a third passage, thus greatly facilitating communication between the various blocks of buildings which composed his vast palatial edifice.

The most striking characteristic of Sennacherib's ornamentation is its strong and marked realism. It was under Sennacherib that the practice first obtained of completing each scene by a background,<sup>10</sup> such as actually existed at the time and place of its occurrence. Mountains, rocks, trees, roads, rivers, lakes, were regularly portrayed, an attempt being made to represent the locality, whatever it might be, as truthfully as the artist's skill and the character of his material rendered possible. Nor was this endeavour limited to the broad and general features of the scene only. The wish evidently was to include all the little accessories which the observant eye of an artist might have noted if he had made his drawing with the scene before him. The species of trees is distinguished in Sennacherib's bas-reliefs; gardens, fields, ponds, reeds, are carefully represented; wild animals are introduced, as stags, boars, and antelopes; birds fly from tree to tree, or stand over their nests feeding the young who stretch up to them; fish disport themselves in the waters; fishermen ply their craft; boatmen and agricultural labourers pursue their avocations; the scene is, as

<sup>9</sup> Sennacherib used foreign timber in his palace to a large extent, cutting it in Lebanon and Amanus. Perhaps, by choosing the tallest trees, he was able to span with single beams the wide space of forty-one or forty-two feet. (See vol. i. p. 307.)

<sup>10</sup> Backgrounds occur but very rarely in the reliefs of Asshur-izir-pal (Layard,

*Monuments*, 1st Series, Pls. 15, 16, and 33). They are employed more largely by Sargon (Botta, *Monument*, Pls. 31 to 35, and 108 to 114); but even then they continue the exception. With Sennacherib they become the rule, and at the same time they increase greatly in elaboration.

it were, photographed, with all its features — the least and the most important — equally marked, and without any attempt at selection, or any effort after artistic unity.

In the same spirit of realism Sennacherib chooses for artistic representation scenes of a commonplace and every-day character. The trains of attendants who daily enter his palace with game and locusts for his dinner, and cakes and fruit for his dessert, appear on the walls of his passages,<sup>1</sup> exactly as they walked through his courts, bearing the delicacies in which he delighted. Elsewhere he puts before us the entire process of carving and transporting a colossal bull, from the first removal of the huge stone in its rough state from the quarry, to its final elevation on a palace mound as part of the great gateway of a royal residence. We see the trackers dragging the rough block, supported on a low flat-bottomed boat, along the course of a river, disposed in gangs, and working under taskmasters who use their rods upon the slightest provocation. The whole scene must be represented, and so the trackers are all there, to the number of three hundred, costumed according to their nations, and each delineated with as much care as if he were not the exact image of ninety-nine others. We then observe the block transferred to land, and carved into the rough semblance of a bull, in which form it is placed on a rude sledge and conveyed along level ground by gangs of labourers, arranged nearly as before, to the foot of the mound at whose top it has to be placed. The construction of the mound is most elaborately represented. Brick-makers are seen moulding the bricks at its base, while workmen, with baskets at their backs, full of earth, bricks, stones, or rubbish, toil up the ascent — for the mound is already half raised — and empty their burdens out upon the summit. The bull, still lying on its sledge, is then drawn up an inclined plane to the top by four gangs of labourers, in the presence of the monarch and his attendants. After this the carving is completed, and the colossus, having been raised into an upright position, is conveyed along the surface of the platform to the exact site which it is to

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<sup>1</sup> For a representation see Layard, *Monuments*, 2nd Series, Pls. 8 and 9; compare *Nineveh and Babylon*, pp. 338-340.

occupy.<sup>2</sup> This portion of the operation has been represented in one of the woodcuts contained in the first volume.<sup>3</sup> From the representation there given the reader may form a notion of the minuteness and elaboration of this entire series of bas-reliefs.

Besides constructing this new palace at Nineveh, Sennacherib seems also to have restored the ancient residence of the kings at the same place,<sup>4</sup> a building which will probably be found whenever the mound of Nebbi-Yunus is submitted to careful examination. He confined the Tigris to its channel by an embankment of bricks.<sup>5</sup> He constructed a number of canals or aqueducts for the purpose of bringing good water to the capital.<sup>6</sup> He improved the defences of Nineveh, erecting towers of a vast size at some of the gates.<sup>7</sup> And, finally, he built a temple to the god Nergal at Tarbisi (now Sherif Khan), about three miles from Nineveh, up the Tigris.

In the construction of these great works he made use, chiefly, of the forced labour with which his triumphant expeditions into foreign countries had so abundantly supplied him. Chaldæans, Aramæans, Armenians, Cilicians,<sup>8</sup> and probably also Egyptians, Ethiopians, Elamites, and Jews, were employed by thousands in the formation of the vast mounds, in the transport and elevation of the colossal bulls, in the moulding of the bricks, and the erection of the walls of the various edifices, in the excavation of the canals, and the construction of the embankments. They wrought in gangs, each gang having a costume peculiar to it,<sup>9</sup> which probably marked its nation. Over each was placed a number of taskmasters, armed with staves, who urged on the work with blows,<sup>10</sup> and severely punished any neglect or remissness.

<sup>2</sup> Layard, *Monuments*, 2nd Series, Pls. 10 to 17.

<sup>3</sup> *Supra*, vol. 1., p. 402.

<sup>4</sup> *Assyrian Texts*, p. 7; *As. Soc. Journ.* vol. xix. p. 166.

<sup>5</sup> *Assyrian Texts*, l. s. c.

<sup>6</sup> *Ibid.* p. 8.

<sup>7</sup> The great gate of Nineveh, described in the first volume of this work (p. 258), was composed of bricks marked with Sennacherib's name (Layard, *Nineveh and Babylon*, p. 123). Another similar gateway in the eastern wall (*ibid.*) was probably his; and his bricks

have also been found along the curtain of the east side of the city.

<sup>8</sup> On the Bellino Cylinder Sennacherib tells us that he employed these four races, together with the *Quhu* (Coans), on his great works. (*Assyrian Texts*, pp. 6, 7.) From a bull-inscription we learn that the number of Aramæans carried off as slaves in one raid was 208,000. (Layard, *Nineveh and Babylon*, p. 141.)

<sup>9</sup> Layard, *Monuments*, 2nd Series, Pls. 10, 11, 13, 15, and 16.

<sup>10</sup> The same practice prevailed in

Assyrian foremen had the general direction of the works, and were entrusted with all such portions as required skill or judgment.<sup>11</sup> The forced labourers often worked in fetters, which were sometimes supported by a bar fastened to the waist, while sometimes they consisted merely of shackles round the ankles. The king himself often witnessed the labours, standing in his chariot, which on these occasions was drawn by some of his attendants.<sup>12</sup>

The Assyrian monuments throw but little light on the circumstances which led to the assassination of Sennacherib; and we are reduced to conjecture the causes of so strange an event. Our various sources of information make it clear that he had a large family of sons. The eldest of them, Asshur-inadi-su, had been entrusted by Sennacherib with the government of Babylon,<sup>13</sup> and might reasonably have expected to succeed him on the throne of Assyria; but it is probable that he died before his father, either by a natural death, or by violence, during one of the many Babylonian revolts. It may be suspected that Sennacherib had a second son, of whose name Nergal was the first element;<sup>1</sup> and it is certain that he had three others, Adrammelech (or Ardumuzanes),<sup>2</sup> Sharezer, and Esar-haddon. Perhaps, upon the death of Asshur-inadi-su, disputes arose about the succession. Adrammelech and Sharezer, anxious to obtain the throne for themselves, plotted against the life of their father, and having slain him in a temple as he was worshipping,<sup>3</sup> proceeded further to remove their brother Nergilus, who claimed the crown and wore it for a brief space after Sennacherib's death.<sup>4</sup> Having murdered him, they expected to obtain the

Persia (Herod. vii. 22); and there must be something akin to it wherever forced labour is used.

<sup>11</sup> See vol. i. p. 587.

<sup>12</sup> Layard, *Monuments*, 2nd Series, Pls. 12 and 15.

<sup>13</sup> *Supra*, p. 164.

<sup>1</sup> Abydenus, who alone mentions this Nergilus, omits to state his relationship to Sennacherib. He makes him the father of Adrammelech and Esar-haddon (Azerdis), which is certainly incorrect. In the text I have followed probability.

<sup>2</sup> The Adrammelech of Scripture (2 Kings xix. 37; Is. xxxvii. 38) is mentioned as Adrameles by Abydenus (Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. ix.), and as Adramelus by Moses of Chorène (*Hist. Armen.* i. 22). This latter writer calls him also Argamozanus (*ibid.*), while Polyhistor gives his name as Ardumuzanes (ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. v. § 1).

<sup>3</sup> 2 Kings, i. s. c.

<sup>4</sup> See Abydenus, l. s. c. "Proximus hunc (i.e. Sennacheribo) regnavit Nergilus, quem Adrameles filius (?) occidit."

throne without further difficulty ; but Esar-haddon, who at the time commanded the army which watched the Armenian frontier, now came forward, assumed the title of King, and prepared to march upon Nineveh. It was winter, and the inclemency of the weather precluded immediate movement. For some months probably the two assassins were recognised as monarchs at the capital, while the northern army regarded Esar-haddon as the rightful successor of his father. Thus died the great Sennacherib, a victim to the ambition of his sons.

It was a sad end to a reign which, on the whole, had been so glorious ; and it was a sign that the empire was now verging on that decline which sooner or later overtakes all kingdoms, and indeed all things sublunary. Against plots from without, arising from the ambition of subjects who see, or think they see, at any particular juncture, an opportunity of seizing the great prize of supreme dominion, it is impossible, even in the most vigorous empire, to provide any complete security. But during the period of vigour, harmony exists within the palace, and confidence in each other inspires and unites all the members of the royal house. When discord has once entered inside the gates, when the family no longer holds together, when suspicion and jealousy have replaced the trust and affection of a happier time, the empire has passed into the declining stage, and has already begun the descent which conducts, by quick or slow degrees, to destruction. The murder of Sennacherib, if it was, as perhaps it was, a judgment on the individual,<sup>5</sup> was, at least equally, a judgment on the nation. When, in an absolute monarchy, the palace becomes the scene of the worst crimes, the doom of the kingdom is sealed — it totters to its fall — and requires but a touch from without to collapse into a heap of ruins.

Esar-haddon, the son and successor of Sennacherib, is proved by the Assyrian Canon to have ascended the throne of Assyria in B.C. 681 — the year immediately previous to that which the Canon of Ptolemy makes his first year in Babylon,<sup>6</sup> viz., B.C. 680.

<sup>5</sup> See 2 Kings xix. 7 and 37.

<sup>6</sup> A king was not entered on the Babylonian list until the Thoth which followed his accession. Thoth fell at

this time in February. Hence the Babylonian dates are in almost every case one year later than the Assyrian.



He was succeeded by his son Asshur-bani-pal, or Sardanapalus, in B.C. 668, and thus held the crown no more than thirteen years. Esar-haddon's inscriptions show that he was engaged for some time after his accession in a war with his half-brothers, who, at the head of a large body of troops, disputed his right to the crown.<sup>7</sup> Esar-haddon marched from the Armenian frontier, where (as already observed) he was stationed at the time of his father's death, against this army, defeated it in the country of Khanirabbat (north-west of Nineveh), and, proceeding to the capital, was universally acknowledged king. According to Abydenus, Adrammelech fell in the battle;<sup>8</sup> but better authorities state that both he and his brother, Sharezer, escaped into Armenia,<sup>9</sup> where they were kindly treated by the reigning monarch, who gave them lands, which long continued in the possession of their posterity.<sup>10</sup>

The chief record which we possess of Esar-haddon is a cylinder inscription, existing in duplicate,<sup>11</sup> which describes about nine campaigns, and may probably have been composed in or about his tenth year. A memorial which he set up at the mouth of the Nahr-el-Kelb, and a cylinder of his son's, add some important information with respect to the latter part of his reign.<sup>12</sup> One or two notices in the Old Testament connect him with the history of the Jews.<sup>13</sup> And Abydenus, besides the passage already quoted, has an allusion to some of his foreign conquests.<sup>14</sup> Such are the chief materials from which the modern inquirer has to reconstruct the history of this great king.<sup>15</sup>

<sup>7</sup> See Mr. G. Smith's article in the *North British Review* for July, 1870, pp. 324, 325. The war in question is also mentioned by Abydenus, l. s. c. "Hunc (i.e. Adramelem) frater suus Axerdis interfecit, patre eodem alia tamen matre genitus, atque Byzantium (?) usque ejus exercitum persecutus est quem antea mercede conduxerat auxiliarem."

<sup>8</sup> See the preceding note.

<sup>9</sup> 2 Kings xix. 37. Mos. Chor. l. s. c. "Eun vero (i.e. Senecharimum) filii ejus Adrammelus et Sanasarus ubi interfecerunt, ad nos confugere."

<sup>10</sup> Mos. Chor. l. s. c.

<sup>11</sup> *British Museum Series*, Pls. 45 to 47. Both copies of the cylinder are imperfect; but together they supply a very tolerable text. M. Oppert has translated the second in his *Inscriptions des Sargonides*, pp. 53-60.

<sup>12</sup> See Sir H. Rawlinson's *Illustrations of Egyptian History and Chronology from the Cuneiform Inscriptions*, p. 23.

<sup>13</sup> 2 Chron. xxxiii. 11; Ezra iv. 2.

<sup>14</sup> Abyden. ap. Euseb. l. s. c. "Ægyptum præterea partesque interiores Syriæ acquirebat Axerdis."

<sup>15</sup> There is a second cylinder inscription belonging to the reign of Esar-

It appears that the first expedition of Esar-haddon was into Phœnicia.<sup>16</sup> Abdi-Milkut king of Sidon, and Sandu-arra king of the adjoining part of Lebanon, had formed an alliance and revolted from the Assyrians, probably during the troubles which ensued on Sennacherib's death. Esar-haddon attacked Sidon first, and soon took the city; but Abdi-Milkut made his escape to an island — Aradus or Cyprus — where, perhaps, he thought himself secure. Esar-haddon, however, determined on pursuit. He traversed the sea "like a fish,"<sup>17</sup> and made Abdi-Milkut<sup>18</sup> prisoner; after which he turned his arms against Sandu-arra, attacked him in the fastnesses of his mountains, defeated his troops, and possessed himself of his person. The rebellion of the two captive kings was punished by their execution; the walls of Sidon were destroyed; its inhabitants, and those of the whole tract of coast in the neighbourhood, were carried off into Assyria, and thence scattered among the provinces; a new town was built, which was named after Esar-haddon, and was intended to take the place of Sidon as the chief city of these parts; and colonists were brought from Chaldæa and Susiana to occupy the new capital and the adjoining region. An Assyrian governor was appointed to administer the conquered province.<sup>19</sup>

Esar-haddon's next campaign seems to have been in Armenia. He took a city called Arza \*\*, which, he says, was in the neighbourhood of Muzr,<sup>20</sup> and carried off the inhabitants, together with a number of mountain animals, placing the former

haddon, which would be of great importance if it were complete. It is published in Mr. Layard's *Inscriptions of Assyria*, pp. 51-58. It contains the account of Esar-haddon's wars with his brothers, and some particulars of his Arabian and Syrian expeditions not elsewhere mentioned. (See *North British Review*, p. 340.)

<sup>16</sup> As the records of Esar-haddon's reign are not written in the form of annals, it is very difficult to determine the order of his campaigns. The order given in the text will be found to differ somewhat from that preferred by Mr. G. Smith (*N. B. Review*; pp. 325-333), the most important difference being that Mr. Smith places the Babylonian

expedition (*infra*, p. 188) before the Syrian.

<sup>17</sup> *Inscriptions des Sargonides*, p. 54.

<sup>18</sup> The name Abdistartus occurs among the kings of Tyre mentioned by Menander (Fr. 1). Abdi-Milkut, or Abed-Melkarth, is formed on the same model, and would mean "Servant of Melkarth" (Hercules), just as Abdistartus is "Servant of Ishtar" (Venus). Compare Abdiel, Abdallah, Obadiah, &c.

<sup>19</sup> It was probably with special reference to this campaign and conquest that Abydenus spoke of Esar-haddon as having added to the empire "the more inland parts of Syria." (See *supra*, p. 186, note <sup>14</sup>.)

<sup>20</sup> M. Oppert understands Egypt here

in a position "beyond the eastern gate of Nineveh." At the same time he received the submission of Tiuspa the Cimmerian.<sup>21</sup>

His third campaign was in Cilicia and the adjoining regions. The Cilicians, whom Sennacherib had so recently subdued,<sup>1</sup> re-asserted their independence at his death, and allied themselves with the Tibareni, or people of Tubal, who possessed the high mountain tract about the junction of Amanus and Taurus. Esar-haddon inflicted a defeat on the Cilicians, and then invaded the mountain region, where he took twenty-one towns and a larger number of villages, all of which he plundered and burnt. The inhabitants he carried away captive, as usual; but he made no attempt to hold the ravaged districts by means of new cities or fresh colonists.<sup>2</sup>

This expedition was followed by one or two petty wars in the north-west and the north-east;<sup>3</sup> after which Esar-haddon, probably about his sixth year, B.C. 675, made an expedition into Chaldæa. It appears that a son of Merodach-Baladan, Nebo-zirzi-sidi<sup>4</sup> by name, had re-established himself on the Chaldæan coast, by the help of the Susianians; while his brother, Nahid-Marduk, had thought it more prudent to court the favour of the great Assyrian monarch, and had quitted his refuge in Susiana to present himself before Esar-haddon's footstool at Nineveh. This judicious step had all the success that he could have expected or desired. Esar-haddon, having conquered the ill-judging Nebo-zirzi-sidi, made over to the more clear-sighted Nahid-Marduk the whole of the maritime region that had been ruled by his brother. At the same time the Assyrian monarch deposed a Chaldæan prince who had established his authority over a small town in the neighbourhood of Babylon, and set up another

(*Inscriptions des Sargonides*, p. 54), as also does Mr. G. Smith (*N. Brit. Review*, p. 329); but Sir H. Rawlinson has shown that the Eastern Muzr must be meant. (*Illustrations*, &c., p. 21.)

<sup>21</sup> This is the first mention of Cimmerians in the Assyrian Inscriptions. Herodotus places the great Cimmerian invasion of Asia in the reign of Ardys the Lydian, which, according to him, was from B.C. 686 to B.C. 637. The name of Tiuspa is curiously near to Telspes,

who must have been king of Persia about this time.

<sup>1</sup> *Supra*, p. 175.

<sup>2</sup> *Inscriptions des Sargonides*, pp. 54, 55; *Assyrian Texts*, pp. 11, 12.

<sup>3</sup> The scene of the first of these wars was Northern Syria; the second was in South-Eastern Armenia—against the Mannai or Minni.

<sup>4</sup> Mr. G. Smith reads this name as Nabu-zira-napisti-esir (*N. Brit. Review*, p. 326).

in his place,<sup>5</sup> thus pursuing the same system of division in Babylonia which we shall hereafter find that he pursued in Egypt.<sup>6</sup>

Esar-haddon after this was engaged in a war with Edom. He there took a city which bore the same name as the country — a city previously, he tells us, taken by his father<sup>7</sup> — and transported the inhabitants into Assyria, at the same time carrying off certain images of the Edomite gods. Hereupon the king, who was named Hazael, sent an embassy to Nineveh, to make submission and offer presents, while at the same time he supplicated Esar-haddon to restore his gods and allow them to be conveyed back to their own proper country.<sup>8</sup> Esar-haddon granted the request, and restored the images to the envoy; but as a compensation for this boon, he demanded an increase of the annual tribute, which was augmented in consequence by sixty-five camels. He also nominated to the Edomite throne, either in succession or in joint sovereignty, a female named Tabua, who had been born and brought up in his own palace.<sup>9</sup>

The expedition next mentioned on Esar-haddon's principal cylinder is one presenting some difficulty. The scene of it is a country called Bazu, which is said to be "remote, on the extreme confines of the earth, on the other side of the desert."<sup>10</sup> It was reached by traversing a hundred and forty *farsakhs* (490 miles) of sandy desert, then twenty *farsakhs* (70 miles) of fertile land, and beyond that a stony region.<sup>11</sup> None of the kings of Assyria, down to the time of Esar-haddon, had ever penetrated so far. Bazu lay beyond Khazu, which was the name of the stony tract, and Bazu had for its chief town a city called Yedih, which was under the rule of a king named Lailé. It is thought, from the combination of these names,<sup>12</sup> and from

<sup>5</sup> The name of the Chaldean prince deposed is read as Shamas-lpni; his successor was Nebo-sallim, the son of Balazu (Belesys).

<sup>6</sup> *Infra*, p. 193.

<sup>7</sup> *Supra*, p. 177.

<sup>8</sup> This appeal recalls Laban's address to Jacob (Gen. xxxi. 30), when Rachel had "stolen his gods."

<sup>9</sup> Is this a trace of a system like that which the Romans adopted in the case of the Parthians and Armenians during the early part of the Empire? (See

Tacit. *Ann.* ii. 2.) Was Tabua an Arabian princess, taken as a hostage, and so bred up in the palace of the Assyrian king? It is highly improbable that she was a native Assyrian.

<sup>10</sup> *Inscriptions des Sargonides*, p. 56.

<sup>11</sup> Mr. G. Smith reads these numbers somewhat differently; but comes to the same conclusion as the present writer, viz., that Esar-haddon "penetrated into the middle of Arabia" (*N. B. Review*, p. 332).

<sup>12</sup> The combination of Bazu and

the general description of the region — of its remoteness and of the way in which it was reached — that it was probably the district of Arabia beyond Nedjif which lies along the Jebel Shammer, and corresponds closely with the modern Arab kingdom of Hira. Esar-haddon boasts that he marched into the middle of the territory, that he slew eight of its sovereigns, and carried into Assyria their gods, their treasures, and their subjects; and that, though Lailé escaped him, he too lost his gods, which were seized and conveyed to Nineveh. Then Lailé, like the Idumæan monarch above mentioned, felt it necessary to humble himself. He went in person to the Assyrian capital, prostrated himself before the royal footstool, and entreated for the restoration of his gods; which Esar-haddon consented to give back, but solely on the condition that Lailé became thenceforth one of his tributaries.<sup>13</sup>

If this expedition was really carried into the quarter here supposed, Esar-haddon performed a feat never paralleled in history, excepting by Augustus<sup>14</sup> and Nushirvan.<sup>15</sup> He led an army across the deserts which everywhere guard Arabia on the land side, and penetrated to the more fertile tracts beyond them, a region of settled inhabitants and of cities. He there took and spoiled several towns; and he returned to his own country without suffering disaster. Considering the physical perils of the desert itself, and the warlike character of its inhabitants, whom no conqueror has ever really subdued, this was

Khazu closely resembles that of Huz and Buz (Gen. xxii. 21). That Huz and Buz both gave names to countries is apparent from the Book of Job (i. 1, and xxxi. 2); and both countries seem to have been in Arabia. See Jer. xxv. 25, and cf. Smith's *Biblical Dictionary*, ad voc.) Bazu, it may be noted, is the nearest possible Assyrian representation of the Hebrew בָּזָז. The names of the king, Lailé, and of the other potentates mentioned, are thoroughly Arabic, as are also the places, some of which are well known. The entire list is as follows: — *Kitsu* (Keis), king of *Khaltil*; *Akbaru* (Acbar), king of *Dupiyat*; *Khabizu*, king of *Qadatsia* (Qadessiyeh);

*Yelua*, queen of *Dihyan*; *Mannuki*, king of *Maraban* (?); *Tabkharu*, king of *Gahran*; *Leihu*, queen of *Yakhilu*; and *Khabaziru*, king of *Sidah*.

<sup>13</sup> *Inscriptions*, &c., l. s. c.

<sup>14</sup> It has been disputed how far the expedition of Ælius Gallus in the reign of Augustus (Strab. xvi. pp. 1107-1110) penetrated. According to some, it reached Yemen; according to others, it proceeded no further than the eastern foot of the great Nejd chain. (See a note by Dr. W. Smith in his edition of Gibbon's *Decline and Fall*, vol. i. pp. 138, 139.)

<sup>15</sup> Gibbon, *Decline and Fall*, vol. v. p. 364, Smith's edition.

a most remarkable success. The dangers of the simoom may have been exaggerated, and the total aridity of the northern region may have been over-stated by many writers;<sup>16</sup> but the difficulty of carrying water and provisions for a large army, and the peril of a plunge into the wilderness with a small one, can scarcely be stated in too strong terms, and have proved sufficient to deter most Eastern conquerors from even the thoughts of an Arabian expedition. Alexander would, perhaps, had he lived, have attempted an invasion from the side of the Persian Gulf;<sup>17</sup> and Trajan actually succeeded in bringing under the Roman yoke an outlying portion of the country—the district between Damascus and the Red Sea; but Arabia has been deeply penetrated thrice only in the history of the world; and Esar-haddon is the sole monarch who ever ventured to conduct in person such an attack.

From the arid regions of the great peninsula Esar-haddon proceeded, probably in another year, to the invasion of the marsh-country on the Euphrates, where the Aramæan tribe of the Gambulu<sup>1</sup> had their habitations, dwelling (he tells us) “like fish, in the midst of the waters”<sup>2</sup>—doubtless much after the fashion of the modern Khuzeyl and Affej Arabs,<sup>3</sup> the latter of whom inhabit nearly the same tract. The sheikh of this tribe had revolted; but on the approach of the Assyrians he submitted himself, bringing in person the arrears of his tribute and a present of buffaloes (?),<sup>4</sup> whereby he sought to propitiate the wrath of his suzerain. Esar-haddon states that he forgave him; that he strengthened his capital with fresh works, placed a garrison in it, and made it a stronghold to protect the territory against the attacks of the Susianians.

<sup>16</sup> Stuart Poole in Smith's *Biblical Dictionary*, vol. i. p. 92. Much of Nejd is no doubt a good grazing country, and the best horses in the world are bred in it. But still large portions are desert, and the outskirts of Arabia on the north and east are still more arid and desolate.

<sup>17</sup> Arrian, *Exped. Alex.* vii. 19, sub fin.

<sup>1</sup> See above, p. 148, note<sup>10</sup>, and compare pp. 157 and 175.

<sup>2</sup> *Inscriptions des Sargonides*, p. 56.

<sup>3</sup> On the Khuzeyl, see Loftus, *Chaldaea and Susiana*, pp. 38-40; on the Affej, see the same work, pp. 91-93, and Layard, *Nineveh and Babylon*, pp. 551-555. Compare also the present work, vol. i. pp. 37, 38.

<sup>4</sup> Cattle of some kind or other are certainly mentioned. The marsh region is the special resort of the buffalo. (Layard, p. 553.)

The last expedition mentioned on the cylinder, which seems not to have been conducted by the king in person, was against the country of Bikni or Bikan, one of the more remote regions of Media—perhaps Azerbaijan.<sup>5</sup> No Assyrian monarch before Esar-haddon had ever invaded this region. It was under the government of a number of chiefs—the Arian character of whose names is unmistakable<sup>6</sup>—each of whom ruled over his own town and the adjacent district. Esar-haddon seized two of the chiefs and carried them off to Assyria, whereupon several others made their submission, consenting to pay a tribute and to divide their authority with Assyrian officers.<sup>7</sup>

It is probable that these various expeditions occupied Esar-haddon from B.C. 681, the year of his accession, to B.C. 671, when it is likely that they were recorded on the existing cylinder. The expeditions are ten in number, directed against countries remote from one another; and each may well have occupied an entire year. There would thus remain only three more years of the king's reign, after the termination of the chief native record, during which his history has to be learnt from other sources. Into this space falls, almost certainly, the greatest of Esar-haddon's exploits—the conquest of Egypt; and, probably, one of the most interesting episodes of his reign—the punishment and pardon of Manasseh. With the consideration of these two events the military history of his reign will terminate.

The conquest of Egypt by Esar-haddon, though concealed from Herodotus, and not known even to Diodorus, was no secret to the more learned Greeks, who probably found an account of the expedition in the great work of Berosus.<sup>8</sup> All that we know of its circumstances is derived from an imperfect transcript of the Nahr-el-Kelb tablet, and a short notice in the annals of Esar-haddon's son and successor, Asshur-bani-pal, who finds it necessary to make an allusion to the former doings

<sup>5</sup> The *-bjan* or *-bigan* of Azerbaijan may possibly represent the *Bikan* of the inscriptions. Azerbaijan can scarcely be, as commonly supposed, a corruption of Atropatène.

<sup>6</sup> *e. g.*, Sitirparna or Sitraphernes,

Eparna or Ophernes, Ramatiya or Ramates, and Zanasana or Zanasanes.

<sup>7</sup> *Inscriptions des Sargonides*, p. 51.

<sup>8</sup> See the passage of Abydenus above quoted, p. 186, note <sup>14</sup>. Abydenus, it is almost certain, drew from Berosus.

of his father in Egypt, in order to render intelligible the state of affairs when he himself invades the country. According to these notices, it would appear that Esar-haddon, having entered Egypt with a large army, probably in B.C. 670, gained a great battle over the forces of Tirhakah in the lower country, and took Memphis, the city where the Ethiopian held his court, after which he proceeded southwards, and conquered the whole of the Nile valley as far as the southern boundary of the Theban district. Thebes itself was taken;<sup>9</sup> and Tirhakah retreated into Ethiopia. Esar-haddon thus became master of all Egypt, at least as far as Thebes or Diospolis, the No or No-Amon of Scripture.<sup>10</sup> He then broke up the country into twenty governments, appointing in each town a ruler who bore the title of king, but placing all the others to a certain extent under the authority of the prince who reigned at Memphis. This was Neco, the father of Psammetichus (Psamatik I.)—a native Egyptian of whom we have some mention both in Herodotus<sup>11</sup> and in the fragments of Manetho.<sup>12</sup> The remaining rulers were likewise, for the most part, native Egyptians; though in two or three instances the governments appear to have been committed to Assyrian officers.<sup>13</sup> Esar-haddon, having made these arrangements, and having set up his tablet at the mouth of the Nahr-el-Kelb side by side with that of Rameses II., returned to his own country, and proceeded to introduce sphinxes into the ornamentation of his palaces,<sup>14</sup> while, at the

<sup>9</sup> It is either to this capture or to a subsequent one under Esar-haddon's son that the prophet Nahum alludes when threatening Nineveh—"Art thou better than populous No, that was situate among the rivers, that had the waters round about it; whose rampart was the flood (D<sup>r</sup>), and her wall from the flood? Ethiopia and Egypt were her strength, and it was infinite. Put and Lubim were thy helpers. Yet was she carried away, she went into captivity; her young children also were dashed in pieces at the top of all the streets: and they cast lots for her honourable men; and all her great men were bound in chains." (Ch. iii. 8-10.)

<sup>10</sup> On the question of identity see Mr. Stuart Poole's article in Smith's *Biblical Dictionary*, vol. ii. p. 576. In the Assyrian inscription Thebes is called "Nia."

<sup>11</sup> Herod. ii. 152.

<sup>12</sup> Manetho ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. xx. p. 10.

<sup>13</sup> See Sir H. Rawlinson's paper in the *Transactions of the Royal Society of Literature*, New Series, vol. vii. p. 136 et seq. Compare G. Smith in the *Zeitschrift für ägyptische Sprache* for 1868, p. 94, and the *N. Brit. Review* for July, 1870, pp. 334, 335.

<sup>14</sup> *Infra*, pp. 198, 199; Layard, *Nineveh and its Remains*, vol. i. p. 348.



same time, he attached to his former titles an additional clause, in which he declared himself to be "king of the kings of Egypt, and conqueror of Ethiopia."<sup>15</sup>

The revolt of Manasseh king of Judah may have happened shortly before or shortly after the conquest of Egypt. It was not regarded as of sufficient importance to call for the personal intervention of the Assyrian monarch. The "captains of the host of the king of Assyria" were entrusted with the task of Manasseh's subjection; and, proceeding into Judæa, they "took him, and bound him with chains, and carried him to Babylon,"<sup>16</sup> where Esar-haddon had built himself a palace, and often held his court.<sup>17</sup> The Great King at first treated his prisoner severely; and the "affliction" which he thus suffered is said to have broken his pride and caused him to humble himself before God,<sup>18</sup> and to repent of all the cruelties and idolatries which had brought this judgment upon him. Then God "was entreated of him, and heard his supplication, and brought him back again to Jerusalem into his kingdom."<sup>19</sup> The crime of defection was overlooked by the Assyrian monarch;<sup>20</sup> Manasseh was pardoned, and sent back to Jerusalem; where he was allowed to resume the reins of government, but on the condition, if we may judge by the usual practice of the Assyrians in such cases, of paying an increased tribute.<sup>21</sup>

It may have been in connection with this restoration of Manasseh to his throne—an act of doubtful policy from an Assyrian point of view—that Esar-haddon determined on a project by which the hold of Assyria upon Palestine was considerably strengthened. Sargon, as has been already observed,<sup>1</sup> when he removed the Israelites from Samaria, supplied their

<sup>15</sup> This title, which does not appear on the cylinders, is found on the back of the slabs at the entrance of the S.W. palace at Nimrud, where the sphinxes occur; on a bronze lion dug up at Nebbi Yunus; and on the slabs of the palace which Esar-haddon built at Sherif Khan.

<sup>16</sup> 2 Chron. xxxiii. 11.

<sup>17</sup> It is this circumstance that serves to fix the captivity of Manasseh to the reign of Esar-haddon. Otherwise it

might as well have fallen into the reign of his son. <sup>18</sup> 2 Chron. xxxiii. 12.

<sup>19</sup> Ibid. verse 13.

<sup>20</sup> It has been supposed that Manasseh may have been released by Esar-haddon's successor, as Jehoiachin was by Nebuchadnezzar's. (Ewald, *Geschichte d. Volkes Israel*, vol. iii. p. 678.) And this is certainly possible. But it is a mere conjecture.

<sup>21</sup> See above, pp. 85, 88, &c.

<sup>1</sup> Supra, p. 152.

place by colonists from Babylon, Cutha, Sippara, Ava, Hamath,<sup>2</sup> and Arabia;<sup>3</sup> thus planting a foreign garrison in the region which would be likely to preserve its fidelity. Esar-haddon resolved to strengthen the foreign element. He gathered men<sup>4</sup> from Babylon, Orchoë, Susa, Elymais, Persia, and other neighbouring regions, and entrusting them to an officer of high rank — “the great and noble Asnapper” — had them conveyed to Palestine and settled over the whole country, which until this time must have been somewhat thinly peopled.<sup>5</sup> The restoration of Manasseh, and the augmentation of the foreign element in Palestine, are thus portions, but counterbalancing portions, of one scheme — a scheme, the sole object of which was the pacification of the empire by whatever means, gentle or severe, seemed best calculated to effect the purpose.

The last years of Esar-haddon were, to some extent, clouded with disaster. He appears to have fallen ill in B.C. 669; and the knowledge of this fact at once produced revolution in Egypt. Tirhakah issued from his Ethiopian fastnesses, descended the valley of the Nile, expelled the kings set up by Esar-haddon, and re-established his authority over the whole country. Esar-haddon, unable to take the field, resolved to resign the cares of the empire to his eldest son, Asshur-bani-pal, and to retire into a secondary position. Relinquishing the crown of Assyria, and retaining that of Babylon only, he had Asshur-bani-pal proclaimed king of Assyria, and retired to the southern capital.

<sup>2</sup> See 2 Kings xvii. 24.

<sup>3</sup> Supra, p. 146.

<sup>4</sup> It has been usually supposed that the colonisation to which reference is made in Ezra iv. 2, 9, is the same as that whereof an account is given in 2 Kings xvii. 24. But a comparison of the places named will show that the two colonisations are quite distinct. Sargon brought his colonists from Hamath in Coele-Syria, and from four cities in Babylonia — Babylon itself, Cutha, Sippara, and Ava or Ivah. Esar-haddon brought his mainly from Susiana and the countries still further to the east. They were Susianians, Elymæans, Persians (אֲשַׁרְפַּאֲרִי), Dal

(דַּלְיָי), &c. Those of Esar-haddon's colonists who were furnished by Babylonia came from Babylon and Erech, or Orchoë. The Dinaites (דִּנַּיִי) were probably from *Dayan*, a country often mentioned in the Inscriptions, which must have adjoined on Cilicia. The Tarpelites and the Apharsathchites are still unrecognised.

<sup>5</sup> When wild beasts multiply in a country, we may be sure that its human occupants are diminishing. The danger from lions, of which the first colonists complained to Sargon, is indicative of the depopulation produced by his conquest. (See 2 Kings xvii. 25, 26.)

There he appears to have died in B.C. 668, or early in B.C. 667, leaving Asshur-bani-pal sole sovereign of the entire empire.

Of the architecture of Esar-haddon, and of the state of the arts generally in his time, it is difficult to speak positively. Though he appears to have been one of the most indefatigable constructors of great works that Assyria produced, having erected during the short period over which his reign extended no fewer than four palaces and above thirty temples,<sup>6</sup> yet it happens unfortunately that we are not as yet in a condition to pronounce a decisive judgment either on the plan of his buildings or on the merits of their ornamentation. Of his three great palaces, which were situated at Babylon, Calah, and Nineveh, one only — that at Calah or Nimrud — has been to any large extent explored. Even in this case the exploration was far from complete, and the ground-plan of his palace is still very defective. But this is not the worst. The palace itself had never been finished;<sup>7</sup> its ornamentation had scarcely been begun; and the little of this that was original had been so damaged by a furious conflagration, that it perished almost at the moment of discovery.<sup>8</sup> We are thus reduced to judge of the sculptures of Esar-haddon by the reports of those who saw them ere they fell to pieces, and by one or two drawings, while we have to form our conception of his buildings from a half-explored fragment of a half-finished palace, which was moreover destroyed by fire before completion.

The palace of Esar-haddon at Calah was built at the southwestern corner of the Nimrud mound, abutting towards the west on the Tigris, and towards the south on the valley formed by the Shor-Derreh torrent. It faced northwards, and was entered on this side from the open space of the platform, through a portal guarded by two winged bulls of the ordinary character. The visitor on entering found himself in a large court, 280 feet by 100,<sup>9</sup> bounded on the north side by a mere wall, but on the

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<sup>6</sup> *Inscriptions des Sargonides*, p. 57; *Assyrian Texts*, p. 16. Sir H. Rawlinson reads this passage differently. He understands Esar-haddon to say that he "repaired ten of the high-places or strongholds of Assyria and Babylon." <sup>7</sup> Layard, *Nineveh and its Remains*, vol. ii. p. 30. <sup>8</sup> *Ibid.* vol. i. p. 349. <sup>9</sup> Layard, *Nineveh and Babylon*, p. 654.

other three sides surrounded by buildings. The main building was opposite to him, and was entered from the court by two portals, one directly facing the great northern gate of the court, and the other a little to the left hand, the former guarded by colossal bulls, the latter merely reveted with slabs. These portals both led into the same room — the room already described in the first volume of this work <sup>10</sup> — which was designed on the most magnificent scale of all the Assyrian apartments, but was so broken up through the inability of the architect to roof in a wide space without abundant supports, that, practically, it formed rather a suite of four moderate-sized chambers than a single grand hall. The plan of this apartment will be seen by reference to the former volume (p. 283). Viewed as a single apartment, the room was 165 feet in length by 62 feet in width, and thus contained an area of 10,230 square feet, a space nearly half as large again as that covered by the greatest of the halls of Sennacherib, which was 7200 feet. Viewed as a suite of chambers, the rooms may be described as two long and narrow halls running parallel to one another, and communicating by a grand doorway in the middle, with two smaller chambers placed at the two ends, running at right angles to the principal ones. The smaller chambers were 62 feet long, and respectively 19 feet and 23 feet wide; the larger ones were 110 feet long, with a width respectively of 20 feet and 28 feet.<sup>11</sup> The inner of the two long parallel chambers communicated by a grand doorway, guarded by sphinxes and colossal lions, either with a small court or with a large chamber extending to the southern edge of the mound; and the two end rooms commu-

<sup>10</sup> See above, vol. i. p. 282.

<sup>11</sup> Mr. Fergusson seems to be of opinion that the divisions which broke up this grand room into four parts would not have greatly interfered with the general effect. His account of the apartment is as follows: —

“Its general dimensions are 165 feet in length, by 62 feet in width; and it consequently is the largest hall yet found in Assyria. The architects, however, do not seem to have been quite equal to roofing so large a space, even

with the number of pillars with which they seem usually to have crowded their floors (?); and it is consequently divided down the centre by a wall supporting dwarf columns (?), forming a centre gallery (?), to which access was had (?) by bridge galleries at both ends, a mode of arrangement capable of great variety and picturesqueness of effect, and of which I have little doubt that the builders availed themselves to the fullest extent.” (*Handbook of Architecture*, vol. i. pp. 176, 177.)

nicated with smaller apartments in the same direction.<sup>12</sup> The buildings to the right and left of the great court seem to have been entirely separate from those at its southern end: to the left they were wholly unexamined; on the right some explorations were conducted which gave the usual result of several long narrow apartments, with perhaps one or two passages. The extent of the palace westward, southward, and eastward is uncertain: eastward it was unexplored; southward and westward the mound had been eaten into by the Tigris and the Shor-Derreh torrent.<sup>13</sup>

The walls of Esar-haddon's palace were composed, in the usual way, of sun-dried bricks, reveted with slabs of alabaster. Instead, however, of quarrying fresh alabaster slabs for the purpose, the king preferred to make use of those which were already on the summit of the mound, covering the walls of the north-western and central palaces, which, no doubt, had fallen into decay. His workmen tore down these sculptured monuments from their original position, and transferring them to the site of the new palace, arranged them so as to cover the freshly-raised walls, generally placing the carved side against the crude brick, and leaving the back exposed to receive fresh sculptures, but sometimes exposing the old sculpture, which, however, in such cases, it was probably intended to remove by the chisel.<sup>1</sup> This process was still going on, when either Esar-haddon died and the works were stopped, or the palace was destroyed by fire. Scarcely any of the new sculptures had been executed. The only exceptions were the bulls and lions at the various portals,<sup>2</sup> a few reliefs in close proximity to them,<sup>3</sup> and some complete figures of crouching sphinxes,<sup>4</sup> which had been

<sup>12</sup> The excavations here were incomplete. Mr. Layard speaks in one place as if he had uncovered the southern façade of the building (*Nineveh and Babylon*, p. 655); but his plan (*Nineveh and its Remains*, vol. i. opp. p. 34) rather indicates the existence of further rooms in this direction.

<sup>13</sup> *Supra*, vol. i. p. 201. Compare *As. Soc. Journal*, vol. xv. p. 347.

<sup>1</sup> The sculptures had been removed

by the chisel in some cases. (Layard, *Nineveh and its Remains*, vol. ii. p. 29.) I conceive that the intention was to remove them in all.

<sup>2</sup> Layard, vol. i. pp. 347, 376; vol. ii. pp. 25, 26.

<sup>3</sup> *Ibid.* vol. i. p. 348; vol. ii. p. 26.

<sup>4</sup> The sphinxes were sometimes double: i.e. two were placed side by side. (*Ibid.* vol. i. p. 349.)

placed as ornaments, and possibly also as the bases of supports, within the span of the two widest doorways. There was nothing very remarkable about the bulls; the lions were spirited, and more true to nature than usual; the sphinxes were curious, being Egyptian in idea, but thoroughly Assyrianised, having the horned cap common on bulls, the Assyrian arrangement of hair, Assyrian earrings, and wings nearly like those of the ordinary winged bull or lion. The figures near the lions were mythic, and exhibited somewhat more than usual grotesqueness, as we learn from the representations of them given by Mr. Layard.<sup>5</sup>



Assyrian Sphinx. (Time of Asshur-bani-pal.)

While the evidence of the actual monuments as to the character of Esar-haddon's buildings and their ornamentation is thus scanty, it happens, curiously, that the Inscriptions furnish a particularly elaborate and detailed account of them. It appears, from the principal record of the time, that the temples which Esar-haddon built in Assyria and Babylonia — thirty-six in number — were richly adorned with plates of silver and gold, which made them (in the words of the Inscription) "as splendid as the day."<sup>6</sup> His palace at Nineveh, a building

<sup>5</sup> *Nineveh and its Remains*, vol. II. pp. 462, 463. | *Assyrian Texts*, p. 16. Compare above, p. 196, note <sup>6</sup>.

<sup>6</sup> *Inscriptions des Sargonides*, p. 57 ;

situated on the mound called Nebbi Yunus, was, we are told, erected upon the site of a former palace of the kings of Assyria. Preparations for its construction were made, as for the great buildings of Solomon,<sup>7</sup> by the collection of materials, in wood, stone, and metal, beforehand: these were furnished by the Phœnician, Syrian, and Cyprian monarchs,<sup>8</sup> who sent to Nineveh for the purpose great beams of cedar, cypress, and ebony (?), stone statues, and various works in metals of different kinds. The palace itself is said to have exceeded in size all buildings of former kings. It was roofed with carved beams of cedar-wood; it was in part supported by columns of cypress wood, ornamented and strengthened with rings of silver and of iron; the portals were guarded by stone bulls and lions; and the gates were made of ebony and cypress ornamented with iron, silver, and ivory. There was, of course, the usual adornment of the walls by means of sculptured slabs and enamelled bricks. If the prejudices of the Mahometans against the possible disturbance of their dead, and against the violation by infidel hands of the supposed tomb of Jonah, should hereafter be dispelled, and excavations be freely allowed in the Nebbi Yunus mound, we may look to obtain very precious relics of Assyrian art from the palace of Esar-haddon, now lying buried beneath the village or the tombs which share between them this most important site.<sup>9</sup>

<sup>7</sup> 1 Kings v. 6-18; 2 Chr. ii. 3-18.

<sup>8</sup> Esar-haddon gives a list of twenty-two kings, who supplied him with materials for his palace at Nineveh. Among them are Manasseh, king of Judah; Baal, king of Tyre; Mitinti, king of Ascalon; Puduel, king of Beth-Ammon; Ægisthus, king of Idalium; Pythagoras, king of Citium; Ithodagon, king of Paphos; Euryalus, king of Soli; Damastes, king of Curium; and kings of Edom, Gaza, Ekron, Byblus, Aradus, Ashdod, Salamis, Tamissus, Ammochosta, Limenium, and Aphrodisia. (See the author's *Herodotus*, vol. i. p. 397, note<sup>9</sup>, 2nd edition; and compare Oppert, *Inscriptions des Sargonides*, p. 58.)

<sup>9</sup> Mr. Layard made stealthily a single

slight excavation in the Nebbi Yunus mound (*Nineveh and Babylon*, p. 598), which produced a few fragments bearing the name of Esar-haddon. The Turks afterwards excavated for nearly a year, but without much skill or judgment. They uncovered a long line of wall belonging to a palace of Sennacherib, and also a portion of the palace of Esar-haddon. On the outer surface of the former were winged bulls in high relief, sculptured apparently after the wall was built, each bull covering some ten or twelve distinct blocks of stone. The slab-inscription published in the British Museum Series, Pls. 43 and 44, was obtained from this palace. A bronze lion with legend was obtained from the Esar-haddon palace.

Of Esar-haddon's Babylonian palace nothing is at present known, beyond the mere fact of its existence; but if the mounds at Hillah should ever be thoroughly explored, we may expect to recover at least its ground-plan, if not its sculptures and other ornaments. The Sherif Khan palace has been examined pretty completely.<sup>10</sup> It was very much inferior to the ordinary palatial edifices of the Assyrians, being in fact only a house which Esar-haddon built as a dwelling for his eldest son during his own lifetime. Like the more imposing buildings of this king, it was probably unfinished at his decease. At any rate its remains add nothing to our knowledge of the state of art in Esar-haddon's time, or to our estimate of that monarch's genius as a builder.

After a reign of thirteen years, Esar-haddon, "king of Assyria, Babylon, Egypt, Meroë, and Ethiopia," as he styles himself in his later inscriptions, died, leaving his crown to his eldest son, Asshur-bani-pal, whom he had already associated in the government.<sup>11</sup> Asshur-bani-pal ascended the throne in B.C. 668, or very early in B.C. 667; and his first act seems to have been to appoint as viceroy of Babylon his younger brother Saül-Mugina,<sup>12</sup> who appears as Sam-mughes in Polyhistor,<sup>13</sup> and as Saosduchinus in the Canon of Ptolemy.

The first war in which Asshur-bani-pal engaged was most probably with Egypt. Late in the reign of Esar-haddon, Tirhakah (as already stated<sup>14</sup>) had descended from the upper country, had recovered Thebes, Memphis, and most of the other Egyptian cities, and expelled from them the princes and governors appointed by Esar-haddon upon his conquest.<sup>15</sup> Asshur-bani-pal, shortly after his accession, collected his forces, and marched through Syria into Egypt, where he defeated the army sent against him by Tirhakah in a great battle near the city of Kar-banit. Tirhakah, who was at Memphis, hearing of

<sup>10</sup> By Mr. Layard (*Nineveh and Babylon*, l. s. c.), and afterwards by Sir H. Rawlinson.

<sup>11</sup> See above, p. 195.

<sup>12</sup> See *British Museum Series*, Pl. 8, No. II., l. 11.

<sup>13</sup> Ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. v. § 2. "Sub Ezechia enim Senec-

cherimus regnavit, uti Polyhistor innuit, annis octodecim; post quem ejusdem filius, annis octo: tum annis viginti et uno Sammughes." The *octo* here is probably an error of Eusebius or Polyhistor, it having been mistaken for H.

<sup>14</sup> *Supra*, p. 195.

<sup>15</sup> *Supra*, p. 193.



the disaster that had befallen his army, abandoned Lower Egypt, and sailed up the Nile to Thebes, whither the forces of Asshur-bani-pal followed him; but the nimble Ethiopian retreated still further up the Nile valley, leaving all Egypt from Thebes downwards to his adversary. Asshur-bani-pal, upon this, reinstated in their former governments the various princes and rulers whom his father had originally appointed, and whom Tirhakah had expelled; and then, having rested and refreshed his army by a short stay in Thebes, returned victoriously by way of Syria to Nineveh.

Scarcely was he departed when intrigues began for the restoration of the Ethiopian power. Neco and some of the other Egyptian governors, whom Asshur-bani-pal had just reinstated in their posts, deserted the Assyrian side and went over to the Ethiopians. Attempts were made to suppress the incipient revolt by the governors who continued faithful; Neco and one or two of his copartners in guilt were seized and sent in chains to Assyria; and some of the cities chiefly implicated, as Sais, Mendes, and Tanis (Zoan), were punished. But the efforts at suppression failed. Tirhakah entered Upper Egypt, and having established himself at Thebes, threaten to extend his authority once more over the whole of the Nilotic valley. Thereupon Asshur-bani-pal, having forgiven Neco, sent him, accompanied by a strong force, into Egypt; and Tirhakah was again compelled to quit the lower country and retire to Upper Egypt, where he soon after died. His crown fell to his stepson,<sup>1</sup> Urdamané, who is perhaps the Rud-Amun of the Hieroglyphics.<sup>2</sup> This prince was at first very successful. He descended the Nile valley in force, defeated the Assyrians near Memphis, drove them to take refuge within its walls, besieged and took the city, and recovered Lower Egypt. Upon this Asshur-bani-pal, who was in the city

<sup>1</sup> Urdamané is called "son of the wife of Tarqu." It is conjectured that Tirhakah had married the widow of Sabaco II.

<sup>2</sup> Lepsius, *Königsbuch*, Taf. xlix. No. 661. A stele, however, of another king, whose name is read as *Nut-amun-mi* or *Rut-amun-mi*, is in such close agreement

with the record of Asshur-bani-pal as to raise a strong suspicion that he, rather than Rud-Amun, is the monarch with whom Asshur-bani-pal contended. (See the parallel drawn out by Dr. Haigh in the *Zeitschrift für ägyptische Sprache*, January, 1869, pp. 3, 4.)

of Asshur when he heard the news, went in person against his new adversary, who retreated as he advanced, flying from Memphis to Thebes, and from Thebes to a city called Kipkip, far up the course of the Nile. Asshur-bani-pal and his army now entered Thebes, and sacked it. The plunder which was taken, consisting of gold, silver, precious stones, dyed garments, captives male and female, ivory, ebony, tame animals (such as monkeys and elephants) brought up in the palace, obelisks, &c., was carried off and conveyed to Nineveh. Governors were once more set up in the several cities, Psammetichus being probably among them;<sup>3</sup> and, hostages having been taken to secure their fidelity, the Assyrian monarch returned home with his booty.

Between his first and second expedition into Egypt, Asshur-bani-pal was engaged in warlike operations on the Syrian coast, and in transactions of a different character with Cilicia. Returning from Egypt, he made an attack on Tyre, whose king, Baal, had offended him, and having compelled him to submit, exacted from him a large tribute, which he sent away to Nineveh. About the same time Asshur-bani-pal entered into communication with the Cilician monarch, whose name is not given, and took to wife a daughter of that princely house, which was already connected with the royal race of the Sargonids.<sup>4</sup>

Shortly after his second Egyptian expedition, Asshur-bani-pal seems to have invaded Asia Minor. Crossing the Taurus range, he penetrated to a region never before visited by any Assyrian monarch;<sup>5</sup> and, having reduced various towns in these parts and returned to Nineveh, he received an embassy of a very unusual character. "Gyges, king of Lydia,"<sup>6</sup> he tells us, "a

<sup>3</sup> The Egyptians regarded the reign of Psammetichus as commencing immediately upon the termination of the reign of Tirhakah. (Sir G. Wilkinson, in the author's *Herodotus*, vol. ii. p. 320. 2nd edition.) The Apis stelæ give for the year of Psammetichus's accession B.C. 664. Asshur-bani-pal's second Egyptian expedition was probably in B.C. 666 or 665.

<sup>4</sup> Sargon gave one of his daughters in marriage to the King of Cilicia, contemporary with him. (See above, p. 150, note 6.)

<sup>5</sup> This is his own statement. It is confirmed by the fact that the geographical names are entirely new to us.

<sup>6</sup> We learn from this that Gyges was still living in B.C. 667. Herodotus placed his death about nine or ten years earlier. (See the author's *Herodotus*, vol. i. p. 287, 2nd edition.) But in this he differed from other writers. (See Dionys. Hal. *Ep. ad Cn. Pomp.* c. 3; Euseb. *Chron. Can. Pars 2<sup>nda</sup>*, p. 325; Hieronym. p. 107.) The reigns of the Lydian kings in Herodotus are improbably long.

country on the sea-coast, a remote place, of which the kings his ancestors had never even heard the name, had formerly learnt in a dream the fame of his empire, and had sent officers to his presence to perform homage on his behalf." He now sent a second time to Asshur-bani-pal, and told him that since his submission he had been able to defeat the Cimmerians, who had formerly ravaged his land with impunity; and he begged his acceptance of two Cimmerian chiefs,<sup>7</sup> whom he had taken in battle, together with other presents, which Asshur-bani-pal regarded as a "tribute." About the same time the Assyrian monarch repulsed the attack of the "king of Kharbat," on a district of Babylonia, and, having taken Kharbat, transported its inhabitants to Egypt.

After thus displaying his power and extending his dominions towards the south-west, the north-west, and the south-east, Asshur-bani-pal turned his arms towards the north-east, and invaded Minni, or Persarmenia—the mountain-country about Lakes Van and Urumiyeh. Akhsheri, the king, having lost his capital, Izirtu, and several other cities, was murdered by his subjects; and his son, Vahalli, found himself compelled to make submission, and sent an embassy to Nineveh to do homage, with tribute, presents, and hostages. Asshur-bani-pal received the envoys graciously, pardoned Vahalli, and maintained him upon the throne, but forced him to pay a heavy tribute. He also in this expedition conquered a tract called Paddiri, which former kings of Assyria had severed from Minni and made independent, but which Asshur-bani-pal now attached to his own empire, and placed under an Assyrian governor.

A war of some duration followed with Elam, or Susiana, the flames of which at one time extended over almost the whole empire. This war was caused by a transfer of allegiance.<sup>8</sup> Certain tribes, pressed by a famine, had passed from Susiana into the territories of Asshur-bani-pal, and were allowed to settle there; but when, the famine being over, they wished

<sup>7</sup> The invasion of Lydia by the Cimmerians, which Herodotus assigns to the reign of Ardys, is thus proved to have

really occurred in the time of his predecessor.

<sup>8</sup> See above, p. 171, and compare the narrative of Herodotus, i. 73.

to return to their former country, Asshur-bani-pal would not consent to their withdrawal. Urtaki, the Susianian king, took umbrage at this refusal, and, determining to revenge himself, commenced hostilities by an invasion of Babylonia. Belu-bagar, king of the important Aramæan tribe of the Gambulu,<sup>1</sup> assisted him; and Saül-Mugina, in alarm, sent to his brother for protection. An Assyrian army was dispatched to his aid, before which Urtaki fled. He was, however, pursued, caught, and defeated. With some difficulty he escaped and returned to Susa, where within a year he died, without having made any fresh effort to injure or annoy his antagonist.

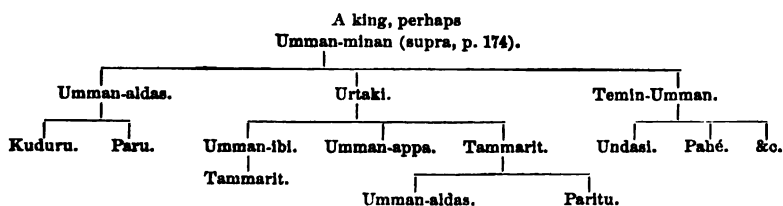
His death was the signal for a domestic revolution which proved very advantageous to the Assyrians. Urtaki had driven his elder brother, Umman-aldas, from the throne,<sup>2</sup> and, passing over the rights of his sons, had assumed the supreme authority. At his death, his younger brother, Temin-Umman, seized the crown, disregarding not only the rights of the sons of Umman-aldas, but likewise those of the sons of Urtaki.<sup>3</sup> As the pretensions of those princes were dangerous, Temin-Umman endeavoured to seize their persons with the intention of putting them to death; but they, having timely warning of their danger, fled; and, escaping to Nineveh with their relations and adherents, put themselves under the protection of Asshur-bani-pal. It thus happened that in the expedition which now followed, Asshur-bani-pal had a party which favoured him in Elam itself. Temin-Umman, however, aware of this internal weak-

<sup>1</sup> See above, pp. 148, 157, 174, 191, &c.

<sup>2</sup> Umman-aldas was subsequently put to death by command of Urtaki, and with the consent of Temin-Umman.

<sup>3</sup> It may assist the reader towards

a clearer comprehension of the narrative in the text to exhibit the genealogical tree of the Susianian royal family at this time, so far as it is known to us.



ness, made great efforts to compensate for it by the number of his foreign allies. Two descendants of Merodach-Baladan, who had principalities upon the coast of the Persian Gulf, two mountain chiefs, one of them a blood-connection of the Assyrian crown, two sons of Belu-bagar, sheikh of the Gambulu, and several other inferior chieftains, are mentioned as bringing their troops to his assistance, and fighting in his cause against the Assyrians. All, however, was in vain. Asshur-bani-pal defeated the allies in several engagements, and finally took Temin-Umman prisoner, executed him, and exposed his head over one of the gates of Nineveh. He then divided Elam between two of the sons of Urtaki, Umman-ibi and Tammarit, establishing the former in Susa, and the latter at a town called Khidal in Eastern Susiana.<sup>4</sup> Great severities were exercised upon the various princes and nobles who had been captured. A son of Temin-Umman was executed with his father. Several grandsons of Merodach-Baladan suffered mutilation. A Chaldæan prince and one of the chieftains of the Gambulu had their tongues torn out by the roots. Another of the Gambulu chiefs was decapitated. Two of the Temin-Umman's principal officers were chained and flayed. Palaya, a grandson of Merodach-Baladan, was mutilated. Asshur-bani-pal evidently hoped to strike terror into his enemies by these cruel, and now unusual, punishments, which, being inflicted for the most part upon royal personages, must have made a profound impression on the king-reverencing Asiatics.

The impression made was, however, one of horror rather than of alarm. Scarcely had the Assyrians returned to Nineveh, when fresh troubles broke out. Saül-Mugina, discontented with his position, which was one of complete dependence upon his brother, rebelled, and, declaring himself king of Babylon in his own right, sought and obtained a number of important allies among his neighbours. Umman-ibi, though he had received his crown from Asshur-bani-pal, joined him, seduced by a gift

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<sup>4</sup> Khidal or Khaidala (Oppert, *Fox Talbot*) is mentioned also in the annals of Sennacherib. It was the place to which Kudur-Nakhunta fled from Bada. (*Supra*, p. 174.)

of treasure from the various Babylonian temples. Vaiteha, a powerful Arabian prince, and Nebo-bel-sumi, a surviving grandson of Merodach-Baladan, came into the confederacy; and Saül-Mugina had fair grounds for expecting that he would be able to maintain his independence. But civil discord — the curse of Elam at this period — once more showed itself, and blighted all these fair prospects. Tammarit, the brother of Umman-ibi, finding that the latter had sent the flower of his army into Babylonia, marched against him, defeated and slew him, and became king of all Elam. Maintaining, however, the policy of his brother, he entered into alliance with Saül-Mugina, and proceeded to put himself at the head of the Elamitic contingent, which was serving in Babylonia. Here a just Nemesis overtook him. Taking advantage of his absence, a certain Inda-bibi<sup>5</sup> (or Inda-bigas), a mountain-chief from the fastnesses of Luristan, raised a revolt in Elam, and succeeded in seating himself upon the throne. The army in Babylonia declining to maintain the cause of Tammarit, he was forced to fly and conceal himself, while the Elamitic troops returned home. Saül-Mugina thus lost the most important of his allies at the moment of his greatest danger; for his brother had at length marched against him at the head of an immense army, and was overrunning his northern provinces. Without the Elamites it was impossible for Babylon to contend with Assyria in the open field. All that Saül-Mugina could do was to defend his towns, which Asshur-bani-pal besieged and took, one after another. The rebel fell into his brother's hands, and suffered a punishment more terrible than any that the relentless conqueror had as yet inflicted on his captured enemies. Others had been mutilated, or beheaded; Saül-Mugina was burnt. The tie of blood, which was held to have aggravated the guilt of his rebellion, was not allowed to be pleaded in mitigation of his sentence.

A pause of some years' duration now occurred. The relations between Assyria and Susiana were unfriendly, but not actually

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<sup>5</sup> Inda-bibi appears to have belonged to the Susianian royal family, and to have held his crown as a sort of appanage or fief.

hostile. Inda-bibi had given refuge to Nebo-bel-sumi at the time of Saül-Mugina's discomfiture, and Asshur-bani-pal repeatedly but vainly demanded the surrender of the refugee. He did not, however, attempt to enforce his demand by an appeal to arms; and Inda-bibi might have retained his kingdom in peace, had not domestic troubles arisen to disturb him. He was conspired against by the commander of his archers, a second Umman-aldas, who killed him and occupied his throne. Many pretenders, at the same time, arose in different parts of the country; and Asshur-bani-pal, learning how Elam was distracted, determined on a fresh effort to conquer it. He renewed his demand for the surrender of Nebo-bel-sumi, who would have been given up had he not committed suicide. Not content with this success, he (ab. B.C. 645) invaded Elam, besieged and took Bit-Imbi, which had been strongly fortified, and drove Umman-aldas out of the plain country into the mountains. Susa and Badaca, together with twenty-four other cities, fell into his power; and Western Elam being thus at his disposal, he placed it under the government of Tammarit, who, after his flight from Babylonia, had become a refugee at the Assyrian court. Umman-aldas retained the sovereignty of Eastern Elam.

But it was not long before fresh changes occurred. Tammarit, finding himself little more than a puppet-king in the hands of the Assyrians, formed a plot to massacre all the foreign troops left to garrison this country, and so to make himself an independent monarch. His intentions, however, were discovered, and the plot failed. The Assyrians seized him, put him in bonds, and sent him to Nineveh. Western Elam passed under purely military rule, and suffered, it is probable, extreme severities. Under these circumstances, Umman-aldas took heart, and made ready, in the fastnesses to which he had fled, for another and a final effort. Having levied a vast army, he, in the spring of the next year, made himself once more master of Bit-Imbi, and, establishing himself there, prepared to resist the Assyrians. Their forces shortly appeared; and, unable to hold the place against their assaults, Umman-aldas evacuated it with his troops, and fought a retreating fight all the way back to Susa,

holding the various strong towns and rivers<sup>1</sup> in succession. Gallant, however, as was his resistance, it proved ineffectual. The lines of defence which he chose were forced, one after another; and finally both Susa and Badaca were taken, and the country once more lay at Asshur-bani-pal's mercy. All the towns made their submission. Asshur-bani-pal, burning with anger at their revolt, plundered the capital of its treasures,<sup>2</sup> and gave the other cities up to be spoiled by his soldiers for the space of a month and twenty-three days. He then formally abolished Susianian independence, and attached the country as a province to the Assyrian empire. Thus ended the Susianian war,<sup>3</sup> after it had lasted, with brief interruptions, for the space of (probably) twelve years.

The full occupation given to the Assyrian arms by this long struggle encouraged revolt in other quarters. It was probably about the time when Asshur-bani-pal was engaged in the thick of the contest with Umman-ibi and Saül-Mugina that Psammethichus declared himself independent in Egypt, and commenced a war against the princes who remained faithful to their Assyrian suzerain. Gyges, too, in the far north-west, took the opportunity to break with the formidable power with which he had recently thought it prudent to curry favour, and sent aid to the Egyptian rebel, which rendered him effective service.<sup>4</sup> Egypt freed herself from the Assyrian yoke, and entered on the prosperous period which is known as that of the twenty-sixth (Saite) dynasty. Gyges was less fortunate. Assailed shortly by a terrible enemy,<sup>5</sup> which swept with resistless force over his whole land, he lost his life in the struggle. Assyria was well and

<sup>1</sup> Among the rivers, the Eulæus (Hulai) is distinctly mentioned as that on which Susa was situated.

<sup>2</sup> Among these are particularised eighteen images of gods and goddesses, thirty-two statues of former Susianian kings, statues of Kudur-Nakhunta, Taimmarit, &c.

<sup>3</sup> In a later passage of the annals there is a further mention of Umman-aldas, who appears to have been captured and sent as a prisoner to Nineveh.

<sup>4</sup> There can be little doubt that the

"Ionians and Carians," who gave the victory to Psammethichus (*Herod.* ii. 152), represent the aid which Gyges sent from Asia Minor.

<sup>5</sup> It is a reasonable conjecture that this enemy was the Cimmerians (Lenormant, *Manuel*, tom. ii. p. 117); and that the invasion which Herodotus places in the reign of Ardys (i. 15) fell really in that of his father. But it is highly improbable that the invasion took place (as M. Lenormant thinks) at the call of the Assyrians.



quickly avenged; and Ardys, the new monarch, hastened to resume the deferential attitude towards Asshur-bani-pal which his father had unwisely relinquished.

Asshur-bani-pal's next important war was against the Arabs. Some of the desert tribes had, as already mentioned, lent assistance to Saül-Mugina during his revolt against his suzerain, and it was to punish this audacity that Asshur-bani-pal undertook his expedition. His principal enemy was a certain Vaiteha, who had for allies Natun, or Nathan, king of the Nabathæans, and Ammu-ladin, king of Kedar. The fighting seems to have extended along the whole country bordering the Euphrates valley from the Persian Gulf to Syria,<sup>6</sup> and thence southwards by Damascus to Petra. Petra itself, Muhab (or Moab), Hudumimukrab (Edom), Zaharri (perhaps Zoar), and several other cities were taken by the Assyrians. The final battle was fought at a place called Khukhuruna, in the mountains near Damascus, where the Arabians were defeated with great slaughter, and the two chiefs who had led the Arab contingent to the assistance of Saül-Mugina were made prisoners by the Assyrians. Asshur-bani-pal had them conducted to Nineveh, and there publicly executed.

The annals of Asshur-bani-pal here terminate.<sup>7</sup> They exhibit him to us as a warrior more enterprising and more powerful than any of his predecessors, and as one who enlarged in almost every direction the previous limits of the empire. In Egypt he completed the work which his father Esar-haddon had begun, and established the Assyrian dominion for some years, not only at Sais and at Memphis, but at Thebes. In Asia Minor he carried the Assyrian arms far beyond any former king, conquering large tracts which had never before been invaded, and extending the reputation of his greatness to the extreme western limits of the continent. Against his northern neighbours he contended with unusual success, and towards the close

<sup>6</sup> A lake is mentioned, which, apparently was the Sea of Nédjif. (Supra, vol. i. p. 14.)

<sup>7</sup> The only additional facts mentioned are the reception of tribute from Hu-

suva, a city on the Syrian coast, the capture of Unman-aldas, and the submission of Belat-Duri, king of the Armenians (Urarda).

of his reign he reckoned, not only the Minni, but the Urarda, or true Armenians, among his tributaries.<sup>8</sup> Towards the south, he added to the empire the great country of Susiana, never subdued until his reign; and on the west, he signally chastised if he did not actually conquer, the Arabs.

To his military ardour Asshur-bani-pal added a passionate addiction to the pleasures of the chase. Lion-hunting was his especial delight. Sometimes along the banks of reedy streams, sometimes borne mid-channel in his pleasure galley, he sought the king of beasts in his native haunts, roused him by means of hounds and beaters from his lair, and despatched him with his unerring arrows.<sup>9</sup> Sometimes he enjoyed the sport in his own park of paradise. Large and fierce beasts, brought from a distance, were placed in traps about the grounds,<sup>1</sup> and on his approach were set free from their confinement, while he drove among them in his chariot, letting fly his shafts at each with a strong and steady hand, which rarely failed to attain the mark it aimed at. Aided only by two or three attendants armed with spears, he would encounter the terrific spring of the bolder beasts, who rushed frantically at the royal marksman, and endeavoured to tear him from the chariot-board. Sometimes he would even voluntarily quit this vantage-ground, and, engaging with the brutes on the same level, without the protection of armour, in his everyday dress, with a mere fillet upon his head, he would dare a close combat, and smite them with sword or spear through the heart.<sup>2</sup>

When the supply of lions fell short, or when he was satiated with this kind of sport, Asshur-bani-pal would vary his occupation, and content himself with game of an inferior description. Wild bulls were probably no longer found in Assyria or the adjacent countries,<sup>3</sup> so that he was precluded from the sport which, next to the chase of the lion, occupied and delighted the

<sup>8</sup> See the preceding note.

<sup>9</sup> See vol. i. p. 508; and compare vol. i. p. 361. Asshur-bani-pal's love of sport appears further by the figures of his favourite hounds, which he had made in clay, painted, and inscribed with

their respective names. (See vol. i. pp. 234 and 342.)

<sup>1</sup> See vol. i. p. 509.

<sup>2</sup> It is Asshur-bani-pal who is represented, vol. i. pp. 506, 507.

<sup>3</sup> See vol. i. p. 513.

earlier monarchs. He could indulge, however, freely in the chase of the wild ass—still to this day a habitant of the Mesopotamian regions;<sup>4</sup> and he could hunt the stag, the hind, and the ibex or wild goat. In these tamer kinds of sport he seems, however, to have indulged only occasionally—as a light relaxation scarcely worthy of a great king.

Asshur-bani-pal is the only one of the Assyrian monarchs to whom we can ascribe a real taste for learning and literature. The other kings were content to leave behind them some records of the events of their reigns, inscribed on cylinders, slabs, bulls, or lions, and a few dedicatory inscriptions, addresses to the gods whom they specially worshipped. Asshur-bani-pal's literary tastes were far more varied—indeed they were all-embracing. It seems to have been under his direction that the vast collection of clay tablets—a sort of Royal Library—was made at Nineveh, from which the British Museum has derived perhaps the most valuable of its treasures. Comparative vocabularies, lists of deities and their epithets, chronological lists of kings and eponyms, records of astronomical observations, grammars, histories, scientific works of various kinds, seem to have been composed in the reign,<sup>5</sup> and probably at the bidding, of this prince, who devoted to their preservation certain chambers in the palace of his grandfather, where they were found by Mr. Layard. The clay tablets on which they were inscribed lay here in such multitudes—in some instances entire, but more commonly broken into fragments—that they filled the chambers *to the height of a foot or more from the floor.*<sup>6</sup> Mr. Layard observes with justice that “the documents thus discovered at Nineveh probably exceed [in amount of writing] all that has

<sup>4</sup> Layard, *Nineveh and Babylon*, p. 270; Ainsworth, *Travels in the Track of the Ten Thousand*, p. 77.

<sup>5</sup> The greater part of the tablets, and more especially those of a literary character, are evidently copies of more ancient documents, since a blank is constantly left where the original was defective, and a gloss entered, “wanting.” There are a large number of religious documents, prayers, invocations, &c., together with not a few juridical

treatises (the fines, *e.g.*, to be levied for certain social offences); and finally, there are the entire contents of a Registry office—deeds of sale and barter referring to land, houses, and every species of property, contracts, bonds for loans, benefactions, and various other kinds of legal instruments. A selection from the tablets has been published, and a further selection is now being prepared for publication by Sir H. Rawlinson.

<sup>6</sup> Layard, *Nineveh and Babylon*, p. 345.

yet been afforded by the monuments of Egypt.”<sup>7</sup> They have yielded of late years some most interesting results,<sup>8</sup> and will probably long continue to be a mine of almost inexhaustible wealth to the cuneiform scholar.

As a builder, Asshur-bani-pal aspired to rival, if not even to excel, the greatest of the monarchs who had preceded him. His palace was built on the mound of Koyunjik, within a few hundred yards of the magnificent erection of his grandfather, with which he was evidently not afraid to challenge comparison. It was built on a plan unlike any adopted by former kings. The main building consisted of three arms branching from a common centre, and thus in its general shape resembled a gigantic T. The central point was reached by a long ascending gallery lined with sculptures, which led from a gateway, with rooms attached, at a corner of the great court, first a distance of 190 feet in a direction parallel to the top bar of the T, and then a distance of 80 feet in a direction at right angles to this, which brought it down exactly to the central point whence the arms branched. The entire building was thus a sort of cross, with one long arm projecting from the top towards the left or west. The principal apartments were in the lower limb of the cross. Here was a grand hall, running nearly the whole length of the limb, at least 145 feet long by 28½ feet broad, opening towards the east on a great court, paved chiefly with the exquisite patterned slabs of which a specimen is given in the first volume of this work,<sup>9</sup> and communicating towards the west with a number of smaller rooms, and through them with a second court, which looked towards the south-west and the south. The next largest apartment was in the right or eastern arm of the cross. It was a hall 108 feet long by 24 feet wide, divided by a broad doorway, in which were two pillar-bases, into a square antechamber of 24 feet each way, and an inner apartment about 80 feet in length. Neither of the two arms of the cross was completely explored; and it is uncertain whether they extended to the extreme edge of the

<sup>7</sup> Layard, *Nineveh and Babylon*, p. 347. | tablets, which has been called “the

<sup>8</sup> As especially the chronological | Assyrian Canon.”  
scheme drawn from seven different | <sup>9</sup> See vol. i. p. 279.

eastern and western courts, thus dividing each of them into two; or whether they only reached into the courts a certain distance. Assuming the latter view as the more probable, the two courts would have measured respectively 310 and 330 feet from the north-west to the south-east, while they must have been from 230 to 250 feet in the opposite direction. From the comparative privacy of the buildings,<sup>10</sup> and from the character of the sculptures,<sup>11</sup> it appears probable that the left or western arm of the cross formed the *hareem* of the monarch.

The most remarkable feature in the great palace of Asshur-bani-pal was the beauty and elaborate character of the ornamentation. The courts were paved with large slabs elegantly patterned. The doorways had sometimes arched tops beautifully adorned with rosettes, lotuses, &c.<sup>12</sup> The chambers and passages were throughout lined with alabaster slabs, bearing reliefs designed with wonderful spirit, and executed with the most extraordinary minuteness and delicacy. It was here that were found all those exquisite hunting scenes which have furnished its most interesting illustrations to the present history.<sup>13</sup> Here, too, were the representations of the private life of the monarch,<sup>1</sup> of the trees and flowers of the palace garden,<sup>2</sup> of the royal galley with its two banks of oars,<sup>3</sup> of the libation over four dead lions,<sup>4</sup> of the temple with pillars supported on lions,<sup>5</sup> and of various bands of musicians, some of which have been already given.<sup>6</sup> Combined with these peaceful

<sup>10</sup> So far as appeared, only one doorway led from the rest of the palace to these western rooms.

<sup>11</sup> Here was the representation of the royal garden, with vines, lilies, and flowers of different kinds (see vol. i. pp. 353 and 354), among which musicians and tame lions were walking.

<sup>12</sup> See the representation, vol. i. p. 335.

<sup>13</sup> As especially the following: The Wild Ass (vol. i. p. 222); the Stag and Hind (p. 224); the dying Wild Asses, and the Lion about to spring (p. 355); the Wounded Wild Ass seized by Hounds (p. 356); the Wounded Lion (p. 357); the Lion biting a Chariot-

wheel (p. 358); the King shooting a Lion (p. 359); the Lion-hunt on a river (p. 361); the King killing Lions (pp. 506, 507); the Lion let out of a trap (p. 509); the Hound held in leash (p. 510); the Wounded Lioness (p. 512); the Hound chasing a Wild Ass (p. 516); the Wild Asses (pp. 516 and 517); the Hound chasing a Doe (p. 518); the Stag taking the Water (p. 519); and the Ibexes (p. 521).

<sup>1</sup> See vol. i. p. 493.

<sup>2</sup> Ibid. pp. 353 and 354.

<sup>3</sup> Ibid. p. 361.

<sup>4</sup> Ibid. p. 515.

<sup>5</sup> Ibid. p. 312. The temple (No. V. p. 310) also belongs to this monarch.

<sup>6</sup> Ibid. pp. 535 and 542.

scenes and others of a similar character, as particularly a long train, with game, nets, and dogs, returning from the chase, which formed the adornment of a portion of the ascending passage, were a number of views of sieges and battles, representing the wars of the monarch in Susiana and elsewhere. Reliefs of a character very similar to these last were found by Mr. Layard in certain chambers of the palace of Sennacherib, which had received their ornamentation from Asshur-bani-pal.<sup>7</sup> They were remarkable for the unusual number and small size of the figures, for the variety and spirit of the attitudes, and for the careful finish of all the little details of the scenes represented upon them. Deficient in grouping, and altogether destitute of any artistic unity, they yet give probably the best representation that has come down to us of the confused *mêlée* of an Assyrian battle, showing us at one view, as they do, all the various phases of the flight and pursuit, the capture and treatment of the prisoners, the gathering of the spoil, and the cutting off the heads of the slain. These reliefs form now a portion of our National Collection. A good idea may be formed of them from Mr. Layard's Second Series of Monuments, where they form the subject of five elaborate engravings.<sup>8</sup>

Besides his own great palace at Koyunjik, and his additions to the palace of his grandfather at the same place, Asshur-bani-pal certainly constructed some building, or buildings, at Nebbi Yunus, where slabs inscribed with his name and an account of his wars have been found.<sup>9</sup> If we may regard him as the real monarch whom the Greeks generally intended by their Sardanapalus, we may say that, according to some classical authors, he was the builder of the city of Tarsus in Cilicia, and likewise of the neighbouring city of Anchialus;<sup>10</sup> though writers of more authority tell us that Tarsus, at any rate, was built by Sennacherib.<sup>11</sup> It seems further to have been very generally believed by the Greeks that the tomb of Sardanapalus was in

<sup>7</sup> Layard, *Nineveh and Babylon*, pp. 446-459.

<sup>8</sup> *Monuments*, Second Series, Pls. 45 to 49.

<sup>9</sup> *Nineveh and Babylon*, p. 459.

<sup>10</sup> Or Anchiale. (See Arrian, *Exp. Alex.* ii. 5; Apollod. *Fr.* 69; Hellanic. *Fr.* 158; Schol. ad Aristoph. *Av.* 1021, &c.)

<sup>11</sup> See above, p. 175.

this neighbourhood.<sup>12</sup> They describe it as a monument of some height, crowned by a statue of the monarch, who appeared to be in the act of snapping his fingers. On the stone base was an inscription in Assyrian characters, of which they believed the sense to run as follows:—“Sardanapalus, son of Anacyndaraxes, built Tarsus and Anchialus in one day. Do thou, O stranger, eat, and drink, and amuse thyself; for all the rest of human life is not worth so much as *this*”—“*this*” meaning the sound which the king was supposed to be making with his fingers. It appears probable that there was some figure of this kind, with an Assyrian inscription below it, near Anchialus; but, as we can scarcely suppose that the Greeks could read the cuneiform writing, the presumed translation of the inscription would seem to be valueless. Indeed, the very different versions of the legend which are given by different writers<sup>13</sup> sufficiently indicate that they had no real knowledge of its purport. We may conjecture that the monument was in reality a stele containing the king in an arched frame, with the right hand raised above the left, which is the ordinary attitude,<sup>14</sup> and an inscription below commemorating the occasion of its erection. Whether it was really set up by this king or by one of his predecessors,<sup>15</sup> we cannot say. The Greeks, who seem to have known more of Asshur-bani-pal than of any other Assyrian monarch, in consequence of his war in Asia Minor and his relations with Gyges and Ardys, are not unlikely to have given his name to any

<sup>12</sup> See, besides the authors quoted in note <sup>10</sup>, Strab. xiv. p. 958, and Athen. *Deipn.* xii. 7, p. 530, B.

<sup>13</sup> Clearchus said that the inscription was simply, “Sardanapalus, son of Anacyndaraxes, built Tarsus and Anchiale in one day—yet now he is dead” (ap. Athen. l. s. c.). Aristobulus gave the inscription in the form quoted above (Strab. l. s. c.; Athen. l. s. c.). Later writers enlarged upon the theme of this last version, and turned it into six or seven hexameter lines (Strab. l. s. c.; Diod. Sic. ii. 23; Schol. ad Aristoph. *Av.* 1021). Amyntas said that the tomb of Sardanapalus was at Nineveh, and gave a completely different inscription

(Athen. l. s. c.). I regard all these tales as nearly worthless.

<sup>14</sup> See above, p. 79.

<sup>15</sup> I incline to believe that the so-called tomb of Sardanapalus was in reality the stele set up by Sennacherib (as related by Polyhistor, *supra*, p. 175, note <sup>10</sup>) on his conquest of Cilicia and settlement of Tarsus. I cannot agree with those who see in the architectural emblem on the coins of Tarsus a representation of the monument in question. (See M. Raoul Rochette's *Memoir in the Mémoires de l'Institut*, tom. xvii.) That emblem appears to me to be the temple of a god.

Assyrian monument which they found in these parts, whether in the local tradition it was regarded as his work or no.

Such, then, are the traditions of the Greeks with respect to this monarch. The stories told by Ctesias of a king, to whom he gives the same name, and repeated from him by later writers,<sup>16</sup> are probably not intended to have any reference to Asshur-bani-pal, the son of Esar-haddon,<sup>17</sup> but rather refer to his successor, the last king. Even Ctesias could scarcely have ventured to depict to his countrymen the great Asshur-bani-pal, the vanquisher of Tirhakah, the subduer of the tribes beyond the Taurus, the powerful and warlike monarch whose friendship was courted by the rich and prosperous Gyges, king of Lydia,<sup>18</sup> as a mere voluptuary, who never put his foot outside the palace gates, but dwelt in the seraglio, doing woman's work, and often dressed as a woman. The character of Asshur-bani-pal stands really in the strongest contrast to the description—he it a portrait, or be it a mere sketch from fancy—which Ctesias gives of his Sardanapalus. Asshur-bani-pal was beyond a doubt one of Assyria's greatest kings. He subdued Egypt and Suisiana; he held quiet possession of the kingdom of Babylon;<sup>1</sup> he carried his arms deep into Armenia; he led his troops across the Taurus, and subdued the barbarous tribes of Asia Minor. When he was not engaged in important wars, he chiefly occupied himself in the chase of the lion, and in the construction and ornamentation of temples<sup>2</sup> and palaces. His glory was well known to the Greeks. He was no doubt one of the “two

<sup>16</sup> As Diodorus Siculus (ii. 23-27); Cephalon (ap. Euseb. *Chron. Can. Pars I<sup>ma</sup>*, c. xv.); Justin, i. 3; Mos. Chor. *Hist. Armen.* i. 20; Nic. *Damasc. Fr.* 8; Clearch. *Sol. Fr.* 5; Duris *Sam. Fr.* 14; &c.

<sup>17</sup> In one point only does the character of Asshur-bani-pal, as revealed to us by his monuments, show the least resemblance to that of the Sardanapalus of Ctesias. Asshur-bani-pal desired and secured to himself a multitude of wives. On almost every occasion of the suppression of a revolt, he required the conquered vassal to send to Nineveh, together with his tribute, one or more of his daughters. These princesses be-

came inmates of his *hareem*. (See Mr. G. Smith's article in the *N. British Review*, July, 1870, p. 344.)

<sup>18</sup> On the wealth and power of Gyges, see Herod. i. 14; and compare Arist. *Rhet.* iii. 17; Plutarch, ii. p. 470, C.

<sup>1</sup> The short revolt of Saül-Mugina (supra, p. 207), which was begun and ended within a year, is an unimportant exception to the general rule of tranquil possession.

<sup>2</sup> Asshur-bani-pal raised a temple to Ishtar at Koyunjik (Sir H. Rawlinson, in the author's *Herodotus*, vol. i. p. 497) and repaired a shrine of the same goddess at Arbela (ibid. p. 522).



kings called Sardanapalus," celebrated by Hellanicus;<sup>3</sup> he must have been "the warlike Sardanapalus" of Callisthenes;<sup>4</sup> Herodotus spoke of his great wealth;<sup>5</sup> and Aristophanes used his name as a by-word for magnificence.<sup>6</sup> In his reign the Assyrian dominions reached their greatest extent, Assyrian art culminated, and the empire seemed likely to extend itself over the whole of the East. It was then, indeed, that Assyria most completely answered the description of the Prophet—"The Assyrian was a cedar in Lebanon, with fair branches, and with a shadowing shroud, and of high stature; and his top was among the thick boughs. The waters made him great; the deep set him up on high with her rivers running about his plants, and sent out her little rivers unto all the trees of the field. Therefore his height was exalted above all the trees of the field, and his boughs were multiplied, and his branches became long because of the multitude of waters, when he shot forth. All the fowls of the heaven made their nests in his boughs, and under his branches did all the beasts of the field bring forth their young, and under his shadow dwelt *all great nations*. Thus was he fair in his greatness, in the length of his branches; for his root was by great waters. The cedars in the garden of God could not hide him; the fir-trees were not like his boughs; and the chestnut-trees were not like his branches; *nor any tree in the garden of God was like unto him in his beauty.*"<sup>7</sup>

In one respect, however, Assyria, it is to be feared, had made but little advance beyond the spirit of a comparatively barbarous time. The "lion" still "tore in pieces for his whelps, and strangled for his lionesses, and filled his holes with prey, and his dens with ravin."<sup>8</sup> Advancing civilisation, more abundant literature, improved art, had not softened the tempers of the Assyrians, nor rendered them more tender and compassionate in their treatment of captured enemies. Sennacherib and Esarhaddon show, indeed, in this respect, some superiority to former

<sup>3</sup> Hellanic. Fr. 158.

<sup>4</sup> Suidas ad voc. Σάρδαναπάλος.

<sup>5</sup> Herod. ii. 150.

<sup>6</sup> Aristoph. Av. l. 988, ed. Bothe.

<sup>7</sup> Ezek. xxxi. 3-8.

<sup>8</sup> Nahum ii. 12.

kings. They frequently spared their prisoners, even when rebels,<sup>9</sup> and seem seldom to have had recourse to extreme punishments. But Asshur-bani-pal reverted to the antique system<sup>10</sup> of executions, mutilations, and tortures. We see on his bas-reliefs the unresisting enemy thrust through with the spear, the tongue torn from the mouth of the captive accused of blasphemy, the rebel king beheaded on the field of battle, and the prisoner brought to execution with the head of a friend or brother hung round his neck.<sup>11</sup> We see the scourgers preceding the king as his regular attendants, with their whips passed through their girdles;<sup>1</sup> we behold the operation of flaying performed either upon living or dead men;<sup>2</sup> we observe those who are about to be executed first struck on the face by the executioner's fist.<sup>3</sup> Altogether we seem to have evidence, not of mere severity, which may sometimes be a necessary or even a merciful policy, but of a barbarous cruelty, such as could not fail to harden and brutalise alike those who witnessed and those who inflicted it. Nineveh, it is plain, still deserved the epithet of "a bloody city," or "a city of bloods."<sup>4</sup> Asshur-bani-pal was harsh, vindictive, unsparing, careless of human suffering—nay, glorying in his shame, he not merely practised cruelties, but handed the record of them down to posterity by representing them in all their horrors upon his palace walls.

It has been generally supposed<sup>5</sup> that Asshur-bani-pal died about B.C. 648 or 647, in which case he would have continued to the end of his life a prosperous and mighty king. But recent discoveries render it probable that his reign was extended to a much greater length—that, in fact, he is to be identified with the Cinneladanus of Ptolemy's Canon, who held the throne of Babylon from B.C. 647 to 626.<sup>6</sup> If this be so, we

<sup>9</sup> See above, pp. 159, 173, 191, and 194.

<sup>10</sup> The great Asshur-izir-pal (B.C. 884-859) was apparently the most cruel of all the Assyrian kings. (See above, p. 85, note<sup>4</sup>.) Asshur-bani-pal does not exactly revive his practices; but he acts in his spirit.

<sup>11</sup> Layard, *Nineveh and Babylon*, pp. 457 and 458.

<sup>1</sup> Layard, *Monuments*, 2nd Series, Pl. 49; compare *Nineveh and Babylon*, p. 452.

<sup>2</sup> *Monuments*, Pl. 47.

<sup>3</sup> *Nineveh and Babylon*, p. 458; *Monuments*, Pl. 48.

<sup>4</sup> Nahum iii. 1.

<sup>5</sup> Lenormant, *Manual*, vol. ii. p. 114.

<sup>6</sup> Asshur-bani-pal distinctly states that when he conquered Babylon, and put Saül-Mugina to death (see above,

must place in the later years of the reign of Asshur-bani-pal the commencement of Assyria's decline — the change whereby she passed from the assailer to the assailed, from the undisputed primacy of Western Asia to a doubtful and precarious position.

This change was owing, in the first instance, to the rise upon her borders of an important military power in the centralised monarchy, established, about B.C. 640, in the neighbouring territory of Media.

The Medes had, it is probable, been for some time growing in strength, owing to the recent arrival in their country of fresh immigrants from the far East. Discarding the old system of separate government and village autonomy, they had joined together and placed themselves under a single monarch; and about the year B.C. 634, when Asshur-bani-pal had been king for thirty-four years, they felt themselves sufficiently strong to undertake an expedition against Nineveh. Their first attack, however, failed utterly. Phraortes, or whoever may have been the real leader of the invading army, was completely defeated by the Assyrians; his forces were cut to pieces, and he himself was among the slain.<sup>7</sup> Still, the very fact that the Medes could now take the offensive and attack Assyria was novel and alarming; it showed a new condition of things in these parts, and foreboded no good to the power which was evidently on the decline and in danger of losing its preponderance. An enterprising warrior would doubtless have followed up the defeat of the invader by attacking him in his own country before he could recover from the severe blow dealt him; but the aged Assyrian monarch appears to have been content with repelling his foe, and made no effort to retaliate. Cyaxares, the successor of the slain Median king, effected at his leisure such arrange-

p. 207), he ascended the Babylonian throne himself. Numerous tablets exist, dated by his regnal years at *Babylon*. The eponyms assignable to his reign are, at the lowest computation, twenty-six or twenty-seven. Add to this that the king of Babylon, who followed Sam-mughes (Saul-Mugina), is distinctly stated by Polyhistor to have been his brother (ap. Euseb. *Chron. Can.* i. 5, § 2),

and to have reigned at *Babylon* 21 years: and the conclusion seems inevitable that Asshur-bani-pal is Cinneladanus, however different the names, and that his entire reign was one of 42 years, from B.C. 668 to B.C. 626.

<sup>7</sup> Ἐπὶ ταύτους δὴ στρατευσάμενος ὁ Φρα-  
όρτης αὐτὸς τε διεφθαρῆ, καὶ ὁ στρατὸς αὐτοῦ  
ὁ πολλός. (Herod. i. 102.)

ments as he thought necessary before repeating his predecessor's attempt.<sup>8</sup> When they were completed — perhaps in B.C. 632 — he led his troops into Assyria, defeated the Assyrian forces in the field, and, following up his advantage, appeared before Nineveh and closely invested the town. Nineveh would perhaps have fallen in this year; but suddenly and unexpectedly a strange event recalled the Median monarch to his own country, where a danger threatened him previously unknown in Western Asia.

When at the present day we take a general survey of the world's past history, we see that, by a species of fatality — by a law, that is, whose workings we cannot trace — there issue from time to time out of the frozen bosom of the North vast hordes of uncouth savages — brave, hungry, countless — who swarm into the fairer southern regions determinedly, irresistibly; like locusts winging their flight into a green land. How such multitudes come to be propagated in countries where life is with difficulty sustained, we do not know; why the impulse suddenly seizes them to quit their old haunts and move steadily in a given direction, we cannot say: but we see that the phenomenon is one of constant recurrence, and we therefore now scarcely regard it as being curious or strange at all. In Asia, Cimmerians, Scythians, Parthians, Mongols, Turks; in Europe, Gauls, Goths, Huns, Avars, Vandals, Burgundians, Lombards, Bulgarians, have successively illustrated the law, and made us familiar with its operation. But there was a time in history before the law had come into force; and its very existence must have been then unsuspected. Even since it began to operate, it has so often undergone prolonged suspension, that the wisest may be excused if, under such circumstances, they cease to bear it in mind, and are as much startled when a fresh illustration of it occurs, as if the like had never happened before. Probably there is seldom an occasion of its coming into play which does not take men more or less by surprise, and rivet their attention by its seeming strangeness and real unexpectedness.

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<sup>8</sup> Herod. i. 103.

If Western Asia had ever, in the remote ages before the Assyrian monarchy was established, been subject to invasions of this character — which is not improbable<sup>1</sup> — at any rate so long a period had elapsed since the latest of them, that in the reigns of Asshur-bani-pal and Cyaxares they were wholly forgotten; and the South reposed in happy unconsciousness of a danger which might at any time have burst upon it, had the Providence which governs the world so willed. The Asiatic steppes had long teemed with a nomadic population, of a war-like temper, and but slightly attached to its homes, which ignorance of its own strength and of the weakness and wealth of its neighbours had alone prevented from troubling the great empires of the South. Geographic difficulties had at once prolonged the period of ignorance, and acted as obstructions, if ever the idea arose of pushing exploring parties into the southern regions; the Caucasus, the Caspian, the sandy deserts of Khiva and Kharezm, and the great central Asiatic mountain-chains, forming barriers which naturally restrained the northern hordes from progressing in this direction. But a time had now arrived when these causes were no longer to operate; the line of demarcation which had so long separated North and South was to be crossed; the flood-gates were to be opened, and the stream of northern emigration was to pour itself in a resistless torrent over the fair and fertile regions from which it had hitherto been barred out. Perhaps population had increased beyond all former precedent; perhaps a spirit of enterprise had arisen; possibly some slight accident — the exploration of a hunter hard pressed for food, the chattering tongue of a merchant, the invitation of a traitor<sup>2</sup> — may have dispelled the ignorance of earlier times, and brought to the knowledge of the hardy North the fact that beyond the mountains and the seas, which they had always regarded as the extreme limit of the world, there lay a rich prey inviting the coming of the spoiler.

The condition of the northern barbarians, less than two

<sup>1</sup> Supra, vol. i. p. 55.

<sup>2</sup> Compare the stories as to the first invasion of Italy by the Gauls. (Niebuhr's *Roman History*, vol. ii. p. 510, E. T.)

hundred years after this time, has been graphically portrayed by two of the most observant of the Greeks, who themselves visited the Steppe country to learn the character and customs of the people. Where civilisation is unknown, changes are so slow and slight, that we may reasonably regard the descriptions of Herodotus and Hippocrates, though drawn in the fifth century before our era, as applying, in all their main points, to the same race two hundred years earlier. These writers describe the Scythians as a people coarse and gross in their habits, with large fleshy bodies, loose joints, soft swollen bellies, and scanty hair.<sup>3</sup> They never washed themselves;<sup>4</sup> their nearest approach to ablution was a vapour-bath,<sup>5</sup> or the application of a paste to their bodies which left them glossy on its removal.<sup>6</sup> They lived either in waggons,<sup>7</sup> or in felt tents of a simple and rude construction;<sup>8</sup> and subsisted on mare's milk and cheese,<sup>9</sup> to which the boiled flesh of horses and cattle was added, as a rare delicacy, occasionally.<sup>10</sup> In war their customs were very barbarous. The Scythian who slew an enemy in battle immediately proceeded to drink his blood. He then cut off the head, which he exhibited to his king in order to obtain his share of the spoil; after which he stripped the scalp from the skull and hung it on his bridle-rein as a trophy. Sometimes he flayed his dead enemy's right arm and hand, and used the skin as a covering for his quiver. The upper portion of the skull he commonly made into a drinking-cup.<sup>11</sup> The greater part of each day he spent on horseback, in attendance on the huge herds of cattle which he pastured. His favourite

<sup>3</sup> Hippocrat. *De aere, aqua, et locis*, c. vi. p. 558.

<sup>4</sup> Herod. iv. 75. Οὐ γὰρ δι' λούονται ὕδατι τοπαράναν τὸ σῶμα.

<sup>5</sup> Ibid. ch. 73.

<sup>6</sup> It seems to have been only the women who made use of this latter substitute. (Ibid. ch. 75.)

<sup>7</sup> Ἀμαξόβιοι ἢ φερόνικοι. (See Herod. iv. 46; Hes. *Frs.* 121 and 222, ed. Göttling; Hippocrat. *De aere, aqua, &c.*, § 44; Æschyl. *P. V.* 734-736; &c.)

<sup>8</sup> Herodotus describes these tents (l. 73) as composed of woolen felts arranged

around three bent sticks inclined towards one another. Æschylus calls them πλεκτὰς στέγας, perhaps regarding the covering as composed of mats rather than felts. (See the author's *Herodotus*, vol. iii. p. 54, note 4, 2nd edition.)

<sup>9</sup> Γλακτοφάγοι ἰππηματοφάγοι. (Hom. *Il.* xiii. 6, 7; Hes. *Fr.* 122; Herod. iv. 2; Callimach. *Hymn. ad Dian.* l. 252; Nic. *Damasc.* *Fr.* 123; &c.)

<sup>10</sup> Herod. iv. 61. So too the modern Calmucks. (See De Hell's *Travels in the Steppes*, p. 244, E. T.)

<sup>11</sup> Herod. iv. 64, 65.

weapon was the bow, which he used as he rode, shooting his arrows with great precision.<sup>12</sup> He generally carried, besides his bow and arrows, a short spear or javelin, and sometimes bore also a short sword or a battleaxe.<sup>13</sup>



Scythian soldiers, from a vase found in a Scythian tomb.

The nation of the Scythians comprised within it a number of distinct tribes.<sup>14</sup> At the head of all was a royal tribe, corresponding to the "Golden Horde" of the Mongols, which was braver and more numerous than any other, and regarded all the remaining tribes in the light of slaves. To this belonged the families of the kings, who ruled by hereditary right, and seem to have exercised a very considerable authority.<sup>15</sup> We often hear of several kings as bearing rule at the same time; but there is generally some indication of disparity, from which we gather that—in times of danger at any rate—the supreme power was really always lodged in the hands of a single man.

The religion of the Scythians was remarkable, and partook of the barbarity which characterised most of their customs. They worshipped the Sun and Moon, Fire, Air, Earth, Water, and a god whom Herodotus calls Hercules.<sup>16</sup> But their principal religious observance was the worship of the naked sword. The country was parcelled out into districts, and in every district was a huge pile of brushwood, serving as a temple to the neighbourhood, at the top of which was planted an antique sword or scimitar.<sup>17</sup> On a stated day in each year solemn sacrifices, human and animal, were offered at these shrines; and the warm

<sup>12</sup> Herod. iv. 46. Compare Æschyl. *P. V.* l. 736.

<sup>13</sup> Herod. iv. 70.

<sup>14</sup> Ibid. chs. 17–20.

<sup>15</sup> Ibid. ch. 81.

<sup>17</sup> Ibid. ch. 62.

<sup>16</sup> Ibid. ch. 59.

blood of the victims was carried up from below and poured upon the weapon. The human victims — prisoners taken in war — were hewn to pieces at the foot of the mound, and their limbs wildly tossed on high by the votaries, who then retired, leaving the bloody fragments where they chanced to fall. The Scythians seem to have had no priest caste; but they believed in divination; and the diviners formed a distinct class which possessed important powers. They were sent for whenever the king was ill, to declare the cause of his illness, which they usually attributed to the fact that an individual, whom they named, had sworn falsely by the Royal Hearth. Those accused in this way, if found guilty by several bodies of diviners, were beheaded for the offence, and their original accusers received their property.<sup>1</sup> It must have been important to keep on good terms with persons who wielded such a power as this.

Such were the most striking customs of the Scythian people, or at any rate of the Scythians of Herodotus, who were the dominant race over a large portion of the Steppe country.<sup>2</sup> Coarse and repulsive in their appearance, fierce in their tempers, savage in their habits, not individually very brave, but powerful by their numbers, and by a mode of warfare which was difficult to meet, and in which long use had given them great expertness, they were an enemy who might well strike alarm even into a nation so strong and warlike as the Medes. Pouring through the passes of the Caucasus — whence coming or what intending none knew<sup>3</sup> — horde after horde of Scythians blackened the rich plains of the South. On they came, as before observed,\* like a flight of locusts, countless, irresistible — swarming into

<sup>1</sup> Herod. iv. 68, 69.

<sup>2</sup> The Scythians Proper of Herodotus and Hippocrates extended from the Danube and the Carpathians on the one side, to the Tanais or Don upon the other. The Sauromatæ, a race at least half-Scythic (Herod. iv. 110-117), then succeeded, and held the country from the Tanais to the Wolga. Beyond this were the Massagetæ, Scythian in dress and customs (ib. i. 215), reaching down to the Jaxartes on the east side of the Caspian. In the same neighbourhood were

the Asiatic Scyths or Sacæ, who seem to have bordered upon the Bactrians.

<sup>3</sup> The opinion of Herodotus that they entered Asia in pursuit of the Cimmerians is childish, and may safely be set aside. (See the author's *Herodotus*, vol. i. p. 301, 2nd edition; compare Mr. Grote's *History of Greece*, vol. ii. p. 431, 2nd edition.) The two movements may, however, have been in some degree connected, both resulting from some great disturbance among the races peopling the Steppe region.



Iberia and Upper Media — finding the land before them a garden, and leaving it behind them a howling wilderness. Neither age nor sex would be spared. The inhabitants of the open country and of the villages, if they did not make their escape to high mountain tops or other strongholds, would be ruthlessly massacred by the invaders, or, at best, forced to become their slaves.<sup>4</sup> The crops would be consumed, the herds swept off or destroyed, the villages and homesteads burnt, the whole country made a scene of desolation. Their ravages would resemble those of the Huns when they poured into Italy,<sup>5</sup> or of the Bulgarians when they overran the fairest provinces of the Byzantine Empire.<sup>6</sup> In most instances the strongly fortified towns would resist them, unless they had patience to sit down before their walls and by a prolonged blockade to starve them into submission. Sometimes, before things reached this point, they might consent to receive a tribute and to retire. At other times, convinced that by perseverance they would reap a rich reward, they may have remained till the besieged city fell, when there must have ensued an indescribable scene of havoc, rapine, and bloodshed. According to the broad expression of Herodotus, the Scythians were masters of the whole of Western Asia from the Caucasus to the borders of Egypt for the space of twenty-eight years.<sup>7</sup> This statement is doubtless an exaggeration; but still it would seem to be certain that the great invasion of which he speaks was not confined to Media, but extended to the adjacent countries of Armenia and Assyria, whence it spread to Syria and Palestine. The hordes probably swarmed down from Media through the Zagros passes into the richest portion of Assyria, the flat country between the mountains and the Tigris. Many of the old cities, rich with the accumulated stores of ages, were besieged, and perhaps taken, and their palaces wantonly burnt, by the barbarous invaders. The tide then swept on. Wandering from district to district, plundering everywhere, settling no-

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<sup>4</sup> On the employment of slaves by the Scythians, see Herod. iv. 1-4.

<sup>5</sup> Gibbon, *Decline and Fall*, vol. iv. pp. 239-245, Smith's edition.

<sup>6</sup> Ibid. vol. v. pp. 170-172.

<sup>7</sup> Herod. i. 106; iv. 1, &c.

where, the clouds of horse passed over Mesopotamia, the force of the invasion becoming weaker as it spread itself, until in Syria it reached its term through the policy of the Egyptian king, Psammetichus. This monarch, who was engaged in the siege of Ashdod,<sup>8</sup> no sooner heard of the approach of a great Scythian host, which threatened to overrun Egypt, and had advanced as far as Ascalon, than he sent ambassadors to their leader and prevailed on him by rich gifts to abstain from his enterprise.<sup>9</sup> From this time the power of the invaders seems to have declined. Their strength could not but suffer by the long series of battles, sieges, and skirmishes in which they were engaged year after year against enemies in nowise contemptible; it would likewise deteriorate through their excesses;<sup>10</sup> and it may even have received some injury from intestine quarrels. After a while, the nations whom they had overrun, whose armies they had defeated, and whose cities they had given to the flames, began to recover themselves. Cyaxares, it is probable, commenced an aggressive war against such of the invaders as had remained within the limits of his dominions, and soon drove them beyond his borders.<sup>11</sup> Other kings may have followed his example. In a little while—long, probably, before the twenty-eight years of Herodotus had expired—the Scythian power was completely broken. Many bands may have returned across the Caucasus into the Steppe country. Others submitted, and took service under the native rulers of Asia.<sup>12</sup> Great numbers were slain; and except in a province of Armenia which henceforward became known as Sacasêné,<sup>1</sup> and perhaps in one Syrian town, which we find called Scythopolis,<sup>2</sup> the invaders left no trace of their brief but terrible inroad.

<sup>8</sup> Herod. ii. 157.

<sup>9</sup> Ibid. i. 105.

<sup>10</sup> The tale connecting the Enarees with the Syrian Venus and the sack of Ascalon (ibid.) seems to glance at this source of weakness.

<sup>11</sup> Herod. i. 106; iv. 4.

<sup>12</sup> Ibid. i. 73.

<sup>1</sup> The Sacassani or Saecsinæ were first mentioned by the historians of Alexander (Arrian, *Exp. Al.* iii. 8). Their

country, Sacasêné, is regarded as a part of Armenia by Strabo (xi. p. 767), Eustathius (ad Dionys. Per. l. 750), and others. It lay towards the north-east, near Albania and Iberia. (Plin. *H.N.* vi. 10; Arrian, l. s. c.)

<sup>2</sup> The earliest mention of Scythopolis is probably that in the LXX. version of Judges (i. 27), where it is identified with Beth-shean or Beth-shan. The

If we have been right in supposing that the Scythian attack fell with as much severity on the Assyrians as on any other Asiatic people, we can scarcely be in error if we ascribe to this cause the rapid and sudden decline of the empire at this period. The country had been ravaged and depopulated, the provinces had been plundered, many of the great towns had been taken and sacked, the palaces of the old kings had been burnt,<sup>3</sup> and all the gold and silver that was not hid away had been carried off. Assyria, when the Scythians quitted her, was but the shadow of her former self. Weak and exhausted, she seemed to invite a permanent conqueror. If her limits had not much shrunk, if the provinces still acknowledged her authority, it was from habit rather than from fear, or because they too had suffered greatly from the northern barbarians. We find Babylon subject to Assyria to the very last;<sup>4</sup> and we seem to see that Judæa passed from the rule of the Assyrians under that of the Babylonians, without any interval of independence or any need of re-conquest. But if these two powers at the south-eastern and the south-western extremities of the empire continued faithful, the less distant nations could scarcely have thrown off the yoke.

Asshur-bani-pal, then, on the withdrawal of the barbarians, had still an empire to rule, and he may be supposed to have commenced some attempts at re-organizing and re-invigorating the governmental system to which the domination of the Scyths must have given a rude shock. But he had not time to effect much. In B.C. 626 he died, after a reign of forty-two years, and was succeeded by his son, Asshur-emid-ilin, whom the Greeks called Saracus. Of this prince we possess but few native records; and, unless it should be thought that the picture which Ctesias gave of the character and conduct of his last Assyrian king deserves to be regarded as authentic history, and to be attached to this monarch, we must confess to an

first profane writer who mentions it is Polybius (v. 70, § 4). No writer states how it obtained the name, until we come down to Syncellus (ab. A.D. (800), who connects the change with this invasion.

<sup>3</sup> The palaces at Calah (Nimrud) *must*,

I think, have been burnt before the last king commenced the S.E. edifice. Those of Nineveh may have escaped till the capture by the Medes.

<sup>4</sup> Abyden. ap. Euseb. *Chron. Can.* i.

9.

almost equal dearth of classical notices of his life and actions. Scarcely anything has come down to us from his time but a few legends on bricks,<sup>5</sup> from which it appears that he was the builder of the south-east edifice at Nimrud, a construction presenting some remarkable but no very interesting features. The classical notices, apart from the tales which Ctesias originated, are limited to a few sentences in Abydenus,<sup>6</sup> and a word or two in Polyhistor.<sup>7</sup> Thus nearly the same obscurity which enfolds the earlier portion of the history gathers about the monarch in whose person the empire terminated; and instead of the ample details which have crowded upon us now for many consecutive reigns, we shall be reduced to a meagre outline, partly resting upon conjecture, in our portraiture of this last king.

Saracus, as the monarch may be termed after Abydenus, ascended the throne at a most difficult and dangerous crisis in his country's history. Assyria was exhausted; and perhaps half depopulated by the Scythic ravages. The bands which united the provinces to the sovereign state, though not broken, had been weakened, and rebellion threatened to break out in various quarters.<sup>8</sup> Ruin had overtaken many of the provincial towns; and it would require a vast outlay to restore their public buildings. But the treasury was wellnigh empty, and did not allow the new monarch to adopt in his buildings the grand

<sup>5</sup> See *British Museum Series*, Pl. viii. No. 3.

<sup>6</sup> Abyden. ap. Euseb. *Chron. Can. Pars 1<sup>ma</sup>*, c. ix.: "Post quem (i.e. Sardana-pallum) Saracus imperitabat Assyriis: qui quidem certior factus turmarum vulgi collecticiarum quæ à mari adversus se adventarent, continuo Busalusorum militiæ ducem Babylonem mittebat. Sed enim hic, capto rebellandi consilio, Amuhiam Asdahagis Medorum principis filiam nato suo Nabucodrossoro despondebat; moxque raptim contra Ninum, seu Ninivem, urbem impetum faciebat. Re omni cognita, rex Saracus regiam Evoritam (?) inflammabat." Compare the parallel passage of Syncellus: — Οἷτος (ὁ Ναβοπολάσαρος) στρατηγὸς ἐπὶ Σαρράκου τοῦ Χαλδαίων βασιλέως σταλείς,

κατὰ τοῦ αὐτοῦ Σαρράκου εἰς Νῖνον ἐπιστρατεύει· οὐδὲ τὴν ἐφόδον πτοηθεὶς ὁ Σάρακος, ἐαυτὸν σὺν τοῖς βασιλείοις ἐνέπρησεν, καὶ τὴν ἀρχὴν Χαλδαίων καὶ Βαβυλῶνος παρέλαβεν ὁ αὐτὸς Ναβοπολάσαρος. *Chronograph.* p. 210, B.

<sup>7</sup> Ap. eund. c. v. § 2. Polyhistor here makes Sammaghes succeeded by his brother after a reign of 21 years; and then gives this "brother" a reign of the same duration. After him he places Nabopolassar, to whom he assigns 20 years. In the next section there is an omission (as the text now stands) either of this "brother" or of Nabopolassar — probably of the latter.

<sup>8</sup> As especially in Susiana (see below, p. 231).

and magnificent style of former kings. Still Saracus attempted something. At Calah he began the construction of a building which apparently was intended for a palace, but which contrasts most painfully with the palatial erections of former kings. The waning glory of the monarchy was made patent both to the nation and to strangers by an edifice where coarse slabs of common limestone, unsculptured and uninscribed, replaced the alabaster bas-reliefs of former times; and where a simple plaster above the slabs<sup>9</sup> was the substitute for the richly-patterned enamelled bricks of Sargon, Sennacherib, and Asshurbani-pal. A set of small chambers, of which no one exceeded forty-five feet in length and twenty-five feet in its greatest breadth, sufficed for the last Acsyrian king, whose shrunken Court could no longer have filled the vast halls of his ancestors. The Nimrud palace of Saracus seems to have covered less than one-half of the space occupied by any former palace upon the mound; it had no grand façade, no magnificent gateway; the rooms, curiously misshapen,<sup>10</sup> as if taste had declined with power and wealth, were mostly small and inconvenient, running in suites which opened into one another without any approaches from courts or passages, roughly paved with limestone flags, and composed of sun-dried bricks faced with limestone and plaster. That Saracus should have been reduced even to contemplate residing in this poor and mean dwelling is the strongest possible proof of Assyria's decline and decay at a period preceding the great war which led to her destruction.

It is possible that this edifice may not have been completed at the time of Saracus's death, and in that case we may suppose that its extreme rudeness would have received certain embellishments had he lived to finish the structure. While it was being erected, he must have resided elsewhere. Apparently, he held his court at Nineveh during this period; and it was certainly there that he made his last arrangements for defence,<sup>11</sup> and his final stand against the enemy, who took advantage

<sup>9</sup> Layard, *Nineveh and its Remains*, vol. ii. pp. 38, 39; *Nineveh and Babylon*, p. 655.

<sup>10</sup> See Mr. Layard's plan (*Nineveh and its Remains*, p. 39).

<sup>11</sup> Abydenus, l. s. c.

of his weak condition to press forward the conquest of the empire.

The Medes, in their strong upland country, abounding in rocky hills, and running up in places into mountain-chains, had probably suffered much less from the ravages of the Scyths than the Assyrians in their comparatively defenceless plains. Of all the nations exposed to the scourge of the invasion they were evidently the first to recover themselves,<sup>12</sup> partly from the local causes here noticed, partly perhaps from their inherent vigor and strength. If Herodotus's date for the original inroad of the Scythians is correct,<sup>13</sup> not many years can have elapsed before the tide of war turned, and the Medes began to make head against their assailants, recovering possession of most parts of their country, and expelling or overpowering the hordes at whose insolent domination they had chafed from the first hour of the invasion. It was probably as early as B.C. 627, five years after the Scyths crossed the Caucasus, according to Herodotus, that Cyaxares, having sufficiently re-established his power in Media, began once more to aspire after foreign conquests. Casting his eyes around upon the neighbouring countries, he became aware of the exhaustion of Assyria, and perceived that she was not likely to offer an effectual resistance to a sudden and vigorous attack. He therefore collected a large army and invaded Assyria from the east, while it would seem that the Susianians, with whom he had perhaps made an alliance, attacked her from the south.<sup>14</sup>

To meet this double danger, Saracus, the Assyrian king, determined on dividing his forces; and, while he entrusted a portion of them to a general, Nabopolassar, who had orders to proceed to Babylon and engage the enemy advancing from the

<sup>12</sup> Herod. i. 106; iv. 4.

<sup>13</sup> I do not regard this date as possessing much value, since the Median chronology of Herodotus is purely artificial. (See Rawlinson's *Herodotus*, vol. i. pp. 340-342.) I incline to believe that the Scythian invasion took place earlier than Herodotus allows, and that eight or ten years intervened between the

first appearance of the Scyths in Media and the second siege of Nineveh by Cyaxares.

<sup>14</sup> The "turma vulgi collectivæ quæ à mari adversus Saracum adventabant" (Abyd. l. s. c.) can only, I think, be Susianians, or Susianians assisted by Chaldeans.

sea, he himself with the remainder made ready to receive the Medes. In idea this was probably a judicious disposition of the troops at his disposal; it was politic to prevent a junction of the two assailing powers; and, as the greater danger was that which threatened from the Medes, it was well for the king to reserve himself with the bulk of his forces to meet this enemy. But the most prudent arrangements may be disconcerted by the treachery of those who are entrusted with their execution; and so it was in the present instance. The faithless Nabopolassar saw in his sovereign's difficulty his own opportunity; and, instead of marching against Assyria's enemies, as his duty required him, he secretly negotiated an arrangement with Cyaxares, agreed to become his ally against the Assyrians, and obtained the Median king's daughter as a bride for Nebuchadnezzar, his eldest son.<sup>1</sup> Cyaxares and Nabopolassar then joined their efforts against Nineveh;<sup>2</sup> and Saracus, unable to resist them, took counsel of his despair, and, after all means of resistance were exhausted, burned himself in his palace.<sup>3</sup> It is uncertain whether we possess any further historical details of the siege. The narrative of Ctesias may embody a certain number of the facts, as it certainly represented with truth the strange yet not incredible termination.<sup>4</sup> But on the other hand, we cannot feel sure, with regard to any statement made solely by that writer, that it has any other source than his imagination. Hence the description of the last siege of Nineveh, as given by Diodorus on the authority of Ctesias, seems unde-

<sup>1</sup> See above, p. 229, note<sup>6</sup>; and compare Polyhistor (ap. Syncell. *Chronograph.* p. 210 A.), Τοῦτον [τὸν Ναβopolάσσαρον] ὁ Πολύσιππος Ἀλέξανδρος Σαρδανάπαλλον καλεῖ πέμψαντα πρὸς Ἀλυστιάγην σατράπην Μηδείας καὶ τὴν θυγατέρα αὐτοῦ Ἀμυίτην λαβόντα νύμφην εἰς τὸν υἱὸν αὐτοῦ Ναβουχοδονόσωρ. Or, as Eusebius reports him (*Chron. Can.* Pars 1<sup>ma</sup>, c. iv.), "Sardanapallus ad Asdahagem, qui erat Medicæ gentis præses et satrapa, copias auxiliares misit, videlicet ut filio suo Nabucodrossoro desponderet Amuhiam e filibus Asdahagis unam."

<sup>2</sup> See besides Abydenus and Polyhistor, Tobit xiv. 15 (where both kings,

however, are wrongly named), and Joseph. *Ant. Jud.* x. 5, § 1.

<sup>3</sup> Abyden. ap. Euseb. *Chron. Can.* Pars 1<sup>ma</sup>, c. ix. p. 25; Syncell. *Chronograph.* p. 210, B.

<sup>4</sup> The self-immolation of Saracus has a parallel in the conduct of the Israelitish king, Zimri, who, "when he saw that the city was taken, went into the palace of the king's house, and burnt the king's house over him, and died" (1 Kings xvi. 18); and again in that of the Persian governor, Bages, who burnt himself with his wives and children at Eion (Herod. vii. 107).

serving of a place in history, though the attention of the curious may properly be directed to it.<sup>5</sup>

The empire of the Assyrians thus fell, not so much from any inherent weakness, or from the effect of gradual decay, as by an unfortunate combination of circumstances—the occurrence of a terrible inroad of northern barbarians just at the time when a warlike nation, long settled on the borders of Assyria, and within a short distance of her capital, was increasing, partly by natural and regular causes, partly by accidental and abnormal ones, in greatness and strength. It will be proper, in treating of the history of Media, to trace out, as far as our materials allow, these various causes, and to examine the mode and extent of their operation. But such an inquiry is not suited for this place, since, if fully made, it would lead us too far away from our present subject, which is the history of Assyria; while, if made partially, it would be unsatisfactory. It is therefore deferred to another place. The sketch here attempted of Assyrian history will now be brought to a close by a few observations on the general nature of the monarchy, or its extent in the most flourishing period, and on the character of its civilisation.<sup>6</sup>

<sup>5</sup> See Diod. Sic. ii. 24–27. According to Ctesias, the Medes were accompanied by the Persians, and the Babylonians by some Arabian allies. The assailing army numbered 400,000. In the first engagement the Assyrians were victorious, and the attacking army had to fly to the mountains (Zagros). A second and a third attempt met with no better success. The fortune of war first changed on the arrival of a contingent from Bactria, who joined the assailants in a night attack on the Assyrian camp, which was completely successful. The Assyrian monarch sought the shelter of his capital, leaving his army under the command of his brother-in-law Salæmenes. Salæmenes was soon defeated and slain; and the siege of the city then commenced. It continued for more than two years without result. In the third year an unusually wet season caused the river to rise extraordinarily, and destroy above two miles (?) of the city wall; up-

on which the king, whom an oracle had told to fear nothing till the river became his enemy, despaired, and making a funeral pile of all his richest furniture, burnt himself with his concubines and his eunuchs in his palace. The Medes and their allies then entered the town on the side which the flood had laid open, and after plundering it, destroyed it.

<sup>6</sup> The author has transferred these observations, with such alterations as the progress of discovery has rendered necessary, from an Essay “On the Chronology and History of the great Assyrian Empire,” which he published in 1858, in his *Herodotus*. He found that eight years of additional study of the subject had changed none of his views, and that if he wrote a new “Summary,” he would merely repeat in other words what he had already written with a good deal of care. Under these circumstances, and having reason to believe that the present work is read in quarters to which his



The independent kingdom of Assyria covered a space of at least a thousand years; but the empire can, at the utmost, be considered to have lasted a period short of seven centuries, from B.C. 1300 to B.C. 625 or 624—the date of the conquest of Cyaxares. In reality, the period of extensive domination seems to have commenced with Asshur-ris-ilim,<sup>7</sup> about B.C. 1150, so that the duration of the true empire did not much exceed five centuries. The limits of the dominion varied considerably within this period, the empire expanding or contracting according to the circumstances of the time and the personal character of the prince by whom the throne was occupied. The extreme extent appears not to have been reached until almost immediately before the last rapid decline set in, the widest dominion belonging to the time of Asshur-bani-pal, the conqueror of Egypt, of Susiana, and of the Armenians.<sup>8</sup> In the middle part of this prince's reign Assyria was paramount over the portion of Western Asia included between the Mediterranean and the Halys on the one hand, the Caspian Sea and the great Persian desert on the other. Southwards the boundary was formed by Arabia and the Persian Gulf; northwards it seems at no time to have advanced to the Euxine or to the Caucasus, but to have been formed by a fluctuating line, which did not in the most flourishing period extend so far as the northern frontier of Armenia. Besides her Asiatic dominions, Assyria possessed also at this time a portion of Africa, her authority being acknowledged by Egypt as far as the latitude of Thebes. The countries included within the limits thus indicated, and subject during the period in question to Assyrian influence, were chiefly the following: Susiana, Chaldæa, Babylonia, Media, Matiene or the Zagros range, Mesopotamia; parts of Armenia, Cappadocia, and Cilicia; Syria, Phœnicia, Palestine, Idumæa, a portion of Arabia, and almost the whole of Egypt. The island of Cyprus was also, it is probable, a dependency. On the other hand, Persia Proper, Bactria, and Sogdiana, even

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version of Herodotus never penetrated, he has thought that a republication of his former remarks would be open to no valid objection.

<sup>7</sup> Supra, pp. 61, 62.

<sup>8</sup> Supra, pp. 210, 211.

Hyrkania, were beyond the eastern limit of the Assyrian sway, which towards the north did not on this side reach further than about the neighbourhood of Kasvin, and towards the south was confined within the mountain barrier of Zagros. Similarly on the west, Phrygia, Lydia,<sup>9</sup> Lycia, even Pamphylia, were independent, the Assyrian arms having never, so far as appears, penetrated westward beyond Cilicia or crossed the river Halys.

The nature of the dominion established by the great Mesopotamian monarchy over the countries included within the limits above indicated, will perhaps be best understood if we compare it with the empire of Solomon. Solomon "reigned over *all the kingdoms* from the river (Euphrates) unto the land of the Philistines and unto the border of Egypt: they *brought presents* and *served* Solomon all the days of his life."<sup>1</sup> The first and most striking feature of the earliest empires is that they are a mere congeries of kingdoms: the countries over which the dominant state acquires an influence, not only retain their distinct individuality, as is the case in some modern empires,<sup>2</sup> but remain in all respects such as they were before, with the simple addition of certain obligations contracted towards the paramount authority. They keep their old laws, their old religion, their line of kings, their law of succession, their whole internal organization and machinery; they only acknowledge an external suzerainty which binds them to the performance of certain duties towards the Head of the Empire. These duties, as understood in the earliest times, may be summed up in the two words "homage" and "tribute;" the subject kings "serve" and "bring presents." They are bound to acts of submission; must attend the court of their suzerain when summoned,<sup>3</sup> unless they have a reasonable excuse; must

<sup>9</sup> The homage of the Lydian kings, Gyges and Ardys, to Asshur-bani-pal scarcely constitutes a real subjection of Lydia to Assyria.

<sup>1</sup> 1 Kings iv. 21. Compare ver. 24; and for the complete organization of the empire, see ch. x., where it appears that the kings "brought every man his present, a rate year by year" (ver. 25);

and that the amount of the annual revenue from all sources was 666 talents of gold (ver. 14). See also 2 Chron. ix. 13-28, and Ps. lxxii. 8-11.

<sup>2</sup> Our own, for instance, and the Austrian.

<sup>3</sup> There are several cases of this kind in the Inscriptions. (*Journal of the Asiatic Society*, vol. xix. p. 145; *Inscrip-*

there salute him as a superior, and otherwise acknowledge his rank; <sup>4</sup> above all, they must pay him regularly the fixed tribute which has been imposed upon them at the time of their submission or subjection, the unauthorised withholding of which is open and avowed rebellion.<sup>5</sup> Finally, they must allow his troops free passage through their dominions, and must oppose any attempt at invasion by way of their country on the part of his enemies.<sup>6</sup> Such are the earliest and most essential obligations on the part of the subject states in an empire of the primitive type, like that of Assyria; and these obligations, with the corresponding one on the part of the dominant power of the protection of its dependants against foreign foes, appear to have constituted the sole links<sup>7</sup> which joined together in one the heterogeneous materials of which that empire consisted.

It is evident that a government of the character here described contains within it elements of constant disunion and disorder. Under favourable circumstances, with an active and energetic prince upon the throne, there is an appearance of strength, and a realisation of much magnificence and grandeur. The subject monarchs pay annually their due share of "the regulated tribute

*tions des Sargonides*, p. 56, &c.) Perhaps the visit of Ahaz to Tiglath-Pileser (2 Kings xvi. 10) was of this character.

<sup>4</sup> Cf. Ps. lxxii. 11: "All kings shall fall down before him." This is said primarily of Solomon. The usual expression in the Inscriptions is that the subject kings "kissed the sceptre" of the Assyrian monarchs.

<sup>5</sup> See 2 Kings xvii. 4, and the Inscriptions *passim*.

<sup>6</sup> Josiah perhaps perished in the performance of this duty (2 Kings xxiii. 29; 2 Chron. xxv. 20-23).

<sup>7</sup> In some empires of this type, the subject states have an additional obligation—that of furnishing contingents to swell the armies of the dominant power. But there is no clear evidence of the Assyrians having raised troops in this way. The testimony of the book of Judith is worthless; and perhaps the circumstance that Nebuchodonosor is made to collect his army from all quarters (as the Persians were wont to do) may

be added to the proofs elsewhere adduced (see the author's *Herodotus*, vol. i. p. 195, 2nd ed.) of the lateness of its composition. We do not find, either in Scripture or in the Inscriptions, any proof of the Assyrian armies being composed of others than the dominant race. Mr. Vance Smith assumes the contrary (*Prophecies*, &c., pp. 92, 183, 201); but the only passage which is important among all those explained by him in this sense (Isa. xxii. 6) is somewhat doubtfully referred to an attack on Jerusalem by the Assyrians. Perhaps it is the taking of Jerusalem by Nebuchadnezzar which forms the subject of the prophetic vision, as Babylon has been the main figure in the preceding chapter. The negative of course cannot be proved; but there seem to be no grounds for concluding that "the various subject races were incorporated into the Assyrian army." An Assyrian army, it should be remembered, does not ordinarily exceed one, or at most two, hundred thousand men.

of the empire ;”<sup>8</sup> and the better to secure the favour of their common sovereign, add to it presents, consisting of the choicest productions of their respective kingdoms.<sup>9</sup> The material resources of the different countries are placed at the disposal of the dominant power;<sup>10</sup> and skilled workmen<sup>11</sup> are readily lent for the service of the court, who adorn or build the temples and the royal residences, and transplant the luxuries and refinements of their several states to the imperial capital. But no sooner does any untoward event occur, as a disastrous expedition, a foreign attack, a domestic conspiracy, or even an untimely and unexpected death of the reigning prince, than the inherent weakness of this sort of government at once displays itself—the whole fabric of the empire falls asunder—each kingdom re-asserts its independence—tribute ceases to be paid—and the mistress of a hundred states suddenly finds herself thrust back into her primitive condition, stripped of the dominion which has been her strength, and thrown entirely upon her own resources. Then the whole task of reconstruction has to be commenced anew—one by one the rebel countries are overrun, and the rebel monarchs chastised—tribute is re-imposed, submission enforced, and in fifteen or twenty years the empire has perhaps recovered itself. Progress is of course slow and uncertain, where the empire has continually to be built up again from its foundations, and where at any time

<sup>8</sup> This is an expression not uncommon in the Inscriptions. We may gather from a passage in Sennacherib's annals, where it occurs, that the Assyrian tribute was of the nature either of a poll-tax or of a land-tax. For when portions of Hezekiah's dominions were taken from him and bestowed on neighbouring princes, the Assyrian king tells us that “according as he increased the dominions of the other chiefs, so he augmented the amount of tribute which they were to pay to the imperial treasury.”

<sup>9</sup> It is not always easy to separate the tribute from the presents, as the tribute itself is sometimes paid partly in kind (supra, p. 66); but in the case of Hezekiah we may clearly draw the distinc-

tion, by comparing Scripture with the account given by Sennacherib. The tribute in this instance was “300 talents of silver and 30 talents of gold” (2 Kings xviii. 14); the additional presents were, 500 talents of silver, various mineral products, thrones and beds and rich furniture, the skins and horns of beasts, coral, ivory, and amber.

<sup>10</sup> The Assyrian kings are in the habit of cutting cedar and other timber in Lebanon and Amanus. Tiglath-Pileser I. derived marbles from the country of the Nairi (supra, p. 70).

<sup>11</sup> *Journal of the Asiatic Society*, vol. xix. pp. 137, 148, &c. Sennacherib uses Phœnicians to construct his vessels on the Tigris and to navigate them. (See above, p. 172.)

a day may undo the work which it has taken centuries to accomplish.

To discourage and check the chronic disease of rebellion, recourse is had to severe remedies, which diminish the danger to the central power, at the cost of extreme misery and often almost entire ruin to the subject kingdoms. Not only are the lands wasted, the flocks and herds carried off,<sup>1</sup> the towns pillaged and burnt, or in some cases razed to the ground, the rebel king deposed and his crown transferred to another, the people punished by the execution of hundreds or thousands,<sup>2</sup> as well as by an augmentation of the tribute money;<sup>3</sup> but sometimes wholesale deportation of the inhabitants is practised, tens or hundreds of thousands being carried away captive by the conquerors,<sup>4</sup> and either employed in servile labour at the capital,<sup>5</sup> or settled as colonists in a distant province. With this practice the history of the Jews, in which it forms so prominent a feature, has made us familiar. It seems to have been known to the Assyrians from very early times,<sup>6</sup> and to have become by degrees a sort of settled principle in their government. In the most flourishing period of their dominion — the reigns of Sargon, Sennacherib, and Esar-haddon — it prevailed most widely, and was carried to the greatest extent. Chaldeans were trans-

<sup>1</sup> The numbers are often marvellous. Sennacherib in one foray drives off 7,200 horses, 11,000 mules, 5,230 camels, 120,000 oxen, and 800,000 sheep! Sometimes the sheep and oxen are said to be "countless as the stars of heaven."

<sup>2</sup> The usual modes of punishment are beheading and impaling. Asshur-izir-pal impales on one occasion "thirty chiefs;" on another he beheads 250 warriors; on a third he impales captives on every side of the rebellious city. Compare the conduct of Darius (Herod. iii. 159).

<sup>3</sup> This frequently takes place. (See above, pp. 85, 88, &c.) Hezekiah evidently expects an augmentation when he says, "That which thou puttest upon me I will bear" (2 Kings xviii. 14).

<sup>4</sup> It has been noticed (*supra*, pp. 158 and 161) that Sennacherib carried into captivity from Judæa more than 200,000

persons, and an equal or greater number from the tribes along the Euphrates. The practice is constant, but the numbers are not commonly given.

<sup>5</sup> As the Aramæans, Chaldeans, Armenians, and Cilicians, by Sennacherib (*supra*, p. 183), and the numerous captives who built his temples and palaces, by Sargon (*Inscriptions des Sargonides*, p. 31). The captives may be seen engaged in their labours, under taskmasters, upon the monuments. (*Supra*, vol. i. p. 402.)

<sup>6</sup> See the annals of Asshur-izir-pal, where, however, the numbers carried off are small — in one case 2,600, in another 2,500, in others 1,200, 500, and 300. Women at this period are carried off in vast numbers, and become the wives of the soldiery. Tiglath-Pileser II. is the first king who practises deportation on a large scale.

ported into Armenia,<sup>7</sup> Jews and Israelites into Assyria and Media,<sup>8</sup> Arabians, Babylonians, Susianians, and Persians into Palestine<sup>9</sup>—the most distant portions of the empire changed inhabitants, and no sooner did a people become troublesome from its patriotism and love of independence, than it was weakened by dispersion, and its spirit subdued by a severance of all its local associations. Thus rebellion was in some measure kept down, and the position of the central or sovereign state was rendered so far more secure; but this comparative security was gained by a great sacrifice of strength, and when foreign invasion came, the subject kingdoms, weakened at once and alienated by the treatment which they had received, were found to have neither the will nor the power to give any effectual aid to their enslaver.<sup>1</sup>

Such, in its broad and general outlines, was the empire of the Assyrians. It embodied the earliest, simplest, and most crude conception which the human mind forms of a widely extended dominion. It was a "kingdom-empire," like the empires of Solomon, of Nebuchadnezzar, of Chedor-laomer,<sup>2</sup> and probably of Cyaxares, and is the best specimen of its class, being the largest, the longest in duration, and the best known of all such governments that has existed. It exhibits in a marked way both the strength and weakness of this class of monarchies—their strength in the extraordinary magnificence, grandeur, wealth, and refinement of the capital; their weakness in the impoverishment, the exhaustion, and the consequent disaffection of the subject states. Ever falling to pieces, it was perpetually reconstructed by the genius and prowess of a long succession of warrior princes, seconded by the skill and bravery of the people. Fortunate in possessing for a long time no very powerful neighbour,<sup>3</sup> it found little difficulty in extending itself throughout

<sup>7</sup> By Sargon (*supra*, p. 152).

<sup>8</sup> 2 Kings xvii. 6; and *supra*, p. 162 and *l. s. c.*

<sup>9</sup> 2 Kings xvii. 24; and Ezra iv. 9.

<sup>1</sup> The case of Josiah (2 Kings xxiii. 29), which may appear an exception, does not belong to Assyrian, but rather to Babylonian, history.

<sup>2</sup> Gen. xiv. 1-12. See above, vol. i. pp. 161, 162.

<sup>3</sup> Babylonia and Susiana are the only large countries bordering upon Assyria which appear to have been in any degree centralised. But even in Babylonia there are constantly found cities which have independent kings, and Chaldæa was always under a number of chieftains.

regions divided and subdivided among hundreds of petty chiefs,<sup>4</sup> incapable of union, and singly quite unable to contend with the forces of a large and populous country. Frequently endangered by revolts, yet always triumphing over them, it maintained itself for five centuries, gradually advancing its influence, and was only overthrown after a fierce struggle by a new kingdom<sup>5</sup> formed upon its borders, which, taking advantage of a time of exhaustion, and leagued with the most powerful of the subject states, was enabled to accomplish the destruction of the long-dominant people.

In the curt and dry records of the Assyrian monarchs, while the broad outlines of the government are well marked, it is difficult to distinguish those nicer shades of system and treatment which no doubt existed, and in which the empire of the Assyrians differed probably from others of the same type. One or two such points, however, may perhaps be made out. In the first place, though religious uniformity is certainly not the law of the empire, yet a religious character appears in many of the wars,<sup>6</sup> and attempts at any rate seem to be made to diffuse everywhere a knowledge and recognition of the gods of Assyria. Nothing is more universal than the practice of setting up in the subject countries "the laws of Asshur" or "altars to the Great Gods." In some instances not only altars but temples are erected, and priests are left to superintend the worship and secure its being properly conducted. The history of Judæa is, however, enough to show that the continuance of the national worship was at least tolerated, though some formal acknowledgment of the presiding deities of Assyria on the part of the subject nations may not improbably have been required in most cases.<sup>7</sup>

<sup>4</sup> In the inscriptions of Tiglath-Pileser I. and Asshur-izir-pal, each city of Mesopotamia and Syria seems to have its king. Twelve kings of the Hittites, twenty-four kings of the Tibareni (*Tibal*), and twenty-seven kings of the *Partau*, are mentioned by Shalmaneser II. The Phœnician and Philistine cities are always separate and independent. In Media and Bikan, during the reign of Esar-haddon, every town has its chief. Armenia is perhaps less divided: still

it is not permanently under a single king.

<sup>5</sup> Although Assyria came into contact with Median tribes as early as the reign of Shalmaneser II. (B.C. 850), yet the Median kingdom which conquered Assyria must be regarded as a new formation — the consequence of a great immigration from the East, perhaps led by Cyaxares.

<sup>6</sup> See above, p. 73.

<sup>7</sup> It is probable that the altar which

Secondly, there is an indication that in certain countries immediately bordering on Assyria endeavours were made from time to time to centralise and consolidate the empire, by substituting, on fit occasions, for the native chiefs, Assyrian officers as governors. The persons appointed are of two classes — “collectors” and “treasurers.” Their special business is, of course, as their names imply, to gather in the tribute due to the Great King, and secure its safe transmission to the capital; but they seem to have been, at least in some instances, entrusted with the civil government of their respective districts.<sup>8</sup> It does not appear that this system was ever extended very far. Lebanon on the west, and Mount Zagros on the east, may be regarded as the extreme limits of the centralised Assyria. Armenia, Media, Babylonia, Susiana, most of Phœnicia,<sup>9</sup> Palestine, Philistia, retained to the last their native monarchs; and thus Assyria, despite the feature here noticed, kept upon the whole her character of a “kingdom-empire.”

The civilisation of the Assyrians is a large subject, on which former chapters of this work have, it is hoped, thrown some light, and upon which only a very few remarks will be here offered by way of recapitulation. Deriving originally letters and the elements of learning from Babylonia, the Assyrians appear to have been content with the knowledge thus obtained, and neither in literature nor in science to have progressed much beyond their instructors. The heavy incubus of a dead language<sup>1</sup> lay upon all those who desired to devote themselves to scientific pursuits; and, owing to this, knowledge tended to become the exclusive possession of a learned or perhaps a priest class, which did not aim at progress, but was satisfied to hand

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Abaz saw at Damascus, and of which he sent a pattern to Jerusalem (2 Kings xvi. 10), was Assyrian rather than Syrian, and that he adopted the worship connected with it in deference to his Assyrian suzerain.

<sup>8</sup> See above, pp. 147, 149, 158, &c.

<sup>9</sup> For one exception in this district, see above, p. 187. Another is furnished by the Assyrian Canon, which gives a prefect of Arpad as Eponym in B.C. 692.

The general continuance, however, of native kings in these parts is strongly marked by the list of 22 subject monarchs in an inscription of Esar-haddon (supra, p. 200, note <sup>8</sup>).

<sup>1</sup> The old scientific treatises appear to have been in the Hamitic dialect of the Proto-Chaldeans. It was not till the time of Asshur-bani-pal that translations were made to any great extent.



on the traditions of former ages. To understand the genius of the Assyrian people we must look to their art and their manufactures. These are in the main probably of native growth; and from them we may best gather an impression of the national character. They show us a patient, laborious, painstaking people, with more appreciation of the useful than the ornamental, and of the actual than the ideal. Architecture, the only one of the fine arts which is essentially useful, forms their chief glory; sculpture, and still more painting, are subsidiary to it. Again, it is the most useful edifice — the palace or house — whereon attention is concentrated — the temple and the tomb, the interest attaching to which is ideal and spiritual, are secondary, and appear (so far as they appear at all) simply as appendages of the palace. In the sculpture it is the actual — the historically true — which the artist strives to represent. Unless in the case of a few mythic figures connected with the religion of the country, there is nothing in the Assyrian bas-reliefs which is not imitated from nature. The imitation is always laborious, and often most accurate and exact. The laws of representation, as we understand them, are sometimes departed from, but it is always to impress the spectator with ideas in accordance with truth. Thus the colossal bulls and lions have five legs, but in order that they may be seen from every point of view with four; the ladders are placed *edgeways* against the walls of besieged towns, but it is to show that they are ladders, and not mere poles; walls of cities are made disproportionately small, but it is done, like Raphael's boat, to bring them within the picture, which would otherwise be a less complete representation of the actual fact. The careful finish, the minute detail, the elaboration of every hair in a beard, and every stitch in the embroidery of a dress, reminds us of the Dutch school of painting, and illustrates strongly the spirit of faithfulness and honesty which pervades the sculptures, and gives them so great a portion of their value. In conception, in grace, in freedom and correctness of outline, they fall undoubtedly far behind the inimitable productions of the Greeks; but they have a grandeur and a dignity, a boldness, a strength, and an appearance of life, which render them even intrinsically

valuable as works of art, and, considering the time at which they were produced, must excite our surprise and admiration. Art, so far as we know, had existed previously only in the stiff and lifeless conventionalism of the Egyptians. It belonged to Assyria to confine the conventional to religion, and to apply art to the vivid representation of the highest scenes of human life. War in all its forms — the march, the battle, the pursuit, the siege of towns, the passage of rivers and marshes, the submission and treatment of captives, and the “mimic war” of hunting — the chase of the lion, the stag, the antelope, the wild bull, and the wild ass, are the chief subjects treated by the Assyrian sculptors; and in these the conventional is discarded; fresh scenes, new groupings, bold and strange attitudes perpetually appear, and in the animal representations especially there is a continual advance, the latest being the most spirited, the most varied, and the most true to nature, though perhaps lacking somewhat of the majesty and grandeur of the earlier. With no attempt to idealise or go beyond nature, there is a growing power of depicting things as they are — an increased grace and delicacy of execution, showing that Assyrian art was progressive, not stationary, and giving a promise of still higher excellence, had circumstances permitted its development.

The art of Assyria has every appearance of thorough and entire nationality; but it is impossible to feel sure that her manufactures were in the same sense absolutely her own. The practice of borrowing skilled workmen from the conquered states would introduce into Nineveh and the other royal cities the fabrics of every region which acknowledged the Assyrian sway; and plunder, tribute, and commerce would unite to enrich them with the choicest products of all civilised countries. Still, judging by the analogy of modern times, it seems most reasonable to suppose that the bulk of the manufactured goods consumed in the country would be of home growth. Hence we may fairly assume that the vases, jars, bronzes, glass bottles, carved ornaments in ivory and mother-of-pearl, engraved gems, bells, dishes, earrings, arms, working implements, &c., which have been found at Nimrud, Khorsabad, and Koyunjik, are *mainly* the handiwork of the Assyrians. It has been conjectured that

the rich garments represented as worn by the kings and others were the product of Babylon,<sup>2</sup> always famous for its tissues; but even this is uncertain; and they are perhaps as likely to have been of home manufacture. At any rate the bulk of the ornaments, utensils, &c., may be regarded as native products. These are almost invariably of elegant form, and indicate a considerable knowledge of metallurgy and other arts,<sup>3</sup> as well as a refined taste. Among them are some which anticipate inventions believed till lately to have been modern. Transparent glass (which, however, was known also in ancient Egypt) is one of these;<sup>4</sup> but the most remarkable of all is the lens<sup>5</sup> discovered at Nimrud, of the use of which as a magnifying agent there is abundant proof.<sup>6</sup> If it be borne in mind, in addition to all this, that the buildings of the Assyrians show them to have been well acquainted with the principle of the arch, that they constructed tunnels, aqueducts, and drains, that they knew the use of the pulley, the lever, and the roller, that they understood the arts of inlaying, enamelling, and overlaying with metals, and that they cut gems with the greatest skill and finish, it will be apparent that their civilisation equalled that of almost any ancient country, and that it did not fall immeasurably behind the boasted achievements of the moderns. With much that was barbaric still attaching to them, with a rude and inartificial government, savage passions, a debasing religion, and a general tendency to materialism, they were, towards the close of their empire, in all the ordinary arts and appliances of life, very nearly on a par with ourselves; and thus their history furnishes a warning — which the records of nations constantly repeat — that the greatest material prosperity may co-exist with the decline — and herald the downfall — of a kingdom.

<sup>2</sup> *Quarterly Rev.*, No. clxvii., pp. 150, 151.

<sup>3</sup> See above, vol. i. pp. 365–372.

<sup>4</sup> See vol. i. p. 389.

<sup>5</sup> Layard, *Nineveh and Babylon*, p. 197.

<sup>6</sup> Long before the discovery of the Nimrud lens it had been concluded that

the Assyrians used magnifying glasses, from the fact that the inscriptions were often so minute that they could not possibly be read, and therefore could not have been formed, without them. (See vol. i. pp. 263 and 391.)

## APPENDIX:

### A.

#### ON THE MEANINGS OF THE ASSYRIAN ROYAL NAMES.

THE names of the Assyrians, like those of the Hebrews, seem to have been invariably significant. Each name is a sentence, fully or elliptically expressed, and consists consequently of at least two elements. This number is frequently—indeed, commonly—increased to three, which are usually a noun in the nominative case, a verb active agreeing with it, and a noun in the objective or accusative case governed by the verb. The genius of the language requires that in names of this kind the nominative case should invariably be placed first; but there is no fixed rule as to the order of the two other words; the verb may be either preceded or followed by the accusative. The number of elements in an Assyrian name amounts in rare cases to four, a maximum reached by some Hebrew names, as Maher-shalal-hash-baz.<sup>1</sup> Only one or two of the royal names comes under this category. No Assyrian name exceeds the number of four elements.<sup>2</sup>

An example of the simplest form of name is Sar-gon, or Sar-gina, “the established king,” i.e. “(I am) the established king.” The roots are *Sar*, or in the full nominative, *sarru*, the common word for “king” (compare Heb. שָׂרָא, שָׂרָח, &c.), and *kin* (or *gin*),<sup>3</sup> “to establish,” a root akin to the Hebrew כָּן.

A name equally simple is Buzur-Asshur, which means either “Asshur is a stronghold,” or “Asshur is a treasure;” *buzur* being the Assyrian equivalent of the Hebrew בָּצָר, which has this double signification. (See Gesen. *Lex.* p. 155.) A third name of the same simple form is Saül-mugina (Sammughes), which probably means

<sup>1</sup> Isaiah viii. 3.

<sup>2</sup> The list of Eponyms in the famous Canon, which contains nearly 250 names, furnishes (according to the reading of M. Oppert) one exception to this rule—

the Eponym of the 18th year of Asshur-izir-pal. Mr. G. Smith finds in the name, however, only four elements.

<sup>3</sup> *Gin* or *gina* is the Turanian equivalent of the Assyrian *kin* or *kina*.

"Saül (is) the establisher," *mugina* being the participial form of the same verb which occurs in *Sar-gina* or *Sargon*.<sup>4</sup>

There is another common form of Assyrian name consisting of two elements, the latter of which is the name of a god, while the former is either *shamas* or *shamsi* (Heb. שמש), the common word for "servant," or else a term significative of worship, adoration, reverence, or the like. Of the former kind, there is but one royal name, viz., *Shamas-Vul*, "the servant of Vul," a name exactly resembling in its formation the Phœnician *Abdistartus*, the Hebrew *Obadiah*, *Abdiel*, &c., and the Arabic *Abdallah*.<sup>5</sup> Of the latter kind are the two royal names, *Tiglathi-Nin* and *Mutaggil-Nebo*. *Tiglathi-Nin* is from *tiglat* or *tiklat*, "adoration, reverence" (comp. Chald. תִּקְלַת, "to trust in"), and *Nin* or *Ninip*, the Assyrian *Hercules*. The meaning is "Adoratio (sit) Herculi" — "Let worship (be given to) Hercules." *Mutaggil-Nebo* is "confiding in" or "worshipping *Nebo*" — *mutaggil* being from the same root as *tiglat*, but the participle, instead of the abstract substantive. A name very similar in its construction is that of the Caliph *Motawakkil Billah*.<sup>6</sup>

With these names compounded of two elements it will be convenient to place one which is compounded of three, viz., *Tiglath-Pileser*, or *Tiglat-pal-zira*. This name has exactly the same meaning as *Tiglathi-Nin* — "Be worship given to Hercules;" the only difference being that *Nin* or *Hercules* is here designated by a favourite epithet, *Pal-zira*, instead of by any of his proper names. In *Pal-zira*, the first element is undoubtedly *pal*, "a son;" the other element is obscure;<sup>7</sup> all that we know of it is that *Nin* was called "the son of *Zira*," apparently because he had a temple at *Calah* which was called *Bit-Zira*, or "the house of *Zira*."<sup>8</sup> M. Oppert believes *Zira* to be "the Zodiac;"<sup>9</sup> but there seem to be no grounds for this identification.

Names of the common threefold type are *Asshur-iddin-akhi*, *Asshur-izir-pal*,<sup>10</sup> *Sin-akhi-irib* (*Sennacherib*), *Asshur-akh-iddina* (*Esar-haddon*), and *Asshur-bani-pal*. *Asshur-idden-akhi* is "Asshur

<sup>4</sup> Or *Saül-mugina* may be in good Turanian "Saül establishes me," the syllable *mu* being a separate element, sometimes equivalent to our "me."

<sup>5</sup> Other names of this kind are *Abdi-Milkut* (supra, p. 187), *Abdolominus* (or rather *Abdalonimus*), *Abed-Nego*, *Abd-er-Rahman*, *Abd-el-Kader*.

<sup>6</sup> So Oppert, *Expédition scientifique en Mésopotamie*, vol. ii. p. 352.

<sup>7</sup> Sir H. Rawlinson believes *Zira* to mean "lord," as *Zirat* certainly means "lady," "mistress," or "wife." *Bitzira* would thus be "the Lord's house," or "the holy house."

<sup>8</sup> See above, p. 22.

<sup>9</sup> *Expédition scientifique*, l. s. c.

<sup>10</sup> *Asshur-izir-pal* seems to be the true name of the king who was formerly called *Sardanapalus I.* or *Asshur-idanni-pal*.

has given brothers," *iddin* being the third person singular of *nadan*, "to give" (comp. Heb. נתן), and *akhi* being the plural of *akhu*, "a brother" (comp. Heb. אח). *Asshur-izir-pal* is "Asshur protects (my) son," *izir* (for *inzir*) being derived from a root corresponding to the Hebrew נצר, "to protect," and *pal* being (as already explained<sup>11</sup>) the Assyrian equivalent for the Hebrew בן and the Syriac bar, "a son." The meaning of *Sin-akhi-irib* (Sennacherib) is "Sin (the Moon) has multiplied brethren," *irib* being from *raba* (Heb. רבה), "to augment, multiply." *Asshur-akh-iddina* is "Asshur has given a brother," from roots already explained; and *Asshur-bani-pal* is "Asshur has formed a son," from *Asshur*, *bani*, and *pal*; *bani* being the participle of *bana*, "to form, make" (comp. Heb. בנה).

Other tri-elemental names are *Asshur-ris-ilim*, *Bel-kudur-uzur*, *Asshur-bil-kala*, *Nin-pala-zira*, and *Bel-sumili-kapi*. *Asshur-ris-ilim* either signifies "Asshur (is) the head of the gods," from *Asshur*, *ris*, which is equivalent to Heb. ראש, "head," and *ilim*, the plural of *il* or *el*, "god;" or perhaps it may mean "Asshur (is) high-headed," from *Asshur*, *ris*, and *elam*, "high," *ris-elim* being equivalent to the *sir-buland* of the modern Persians.<sup>1</sup> *Bel-kudur-uzur* means "Bel protects my seed," or "Bel protects the youth," as will be explained in the next volume under Nebuchadnezzar. *Asshur-bil-kala* means probably "Asshur (is) lord altogether," from *Asshur*, *bil*, "a lord" (Heb. בל), and *kala*, "wholly;" a form connected with the Hebrew כל or כלל, "all." *Nin-pala-zira* is of course "Nin (Hercules) is the son of Zira," as already explained under Tiglath-Pileser.<sup>2</sup> *Bel-sumili-kapi* is conjectured to be "Bel of the left hand,"<sup>3</sup> or "Bel (is) left-handed," from *Bel*, *sumilu*, an equivalent of שמאל, "the left," and *kapu* (= כף), "a hand."

Only two Assyrian royal names appear to be compounded of four elements.<sup>4</sup> These are the first and last of our list, *Asshur-bil-nisi-su*, and the king commonly called *Asshur-emid-ilin*, whose complete name was (it is thought) *Asshur-emid-ili-kin*, or possibly *Asshur-kinat-ili-kain*. The last king's name is thought to mean "Asshur

<sup>11</sup> See vol. i. p. 272. In Semitic Babylonian *pal* becomes *bal*, as in *Merodach-bal-adan*, "Merodach has given a son;" whence the transition to the Syriac *bar* (as in *Bar-Jesus*, *Bar-Jonas*, &c.) was easy.

<sup>1</sup> Sir H. Rawlinson, in *Athenæum*, No.

1869, p. 244, note 7. *Elam*, "high," is to be connected with על and עלל.

<sup>2</sup> Supra, p. 246.

<sup>3</sup> Sir H. Rawlinson, in *Athenæum*, No. 1869, p. 243, note 2.

<sup>4</sup> In the list of Eponyms, six names out of nearly 250 are composed of four elements.

is the establisher of the power of the gods" — the second element, which is sometimes written as *emid* (comp. עִמֵּד), sometimes as *nirik*, being translated in a vocabulary by *kinat*, "power," while the last element (which is omitted on the monarch's bricks) is of course from *kin* (the equivalent of כִּן), which has been explained under Sargon. The name of the other monarch presents no difficulty. Asshur-bil-nisi-su means "Asshur (is) the lord of his people," from *bīl* or *bīlu*, "lord," *nīs*, "a man" (comp. Heb. אִישׁ), and *su*, "his" (= Heb. י').

To these names of monarchs may be added one or two names of princes, which are mentioned in the records of the Assyrians, or elsewhere; as Asshur-danin-pal, the eldest son of the great Shalmaneser, and Adrammelech and Sharezer, sons of Sennacherib. Asshur-danin-pal seems to be "Asshur strengthens a son," from *Asshur*, *pal*, and *danin*, which has the force of "strengthening" in Assyrian.<sup>5</sup> Adrammelech has been explained as *decus regis*, "the king's glory;"<sup>6</sup> but it would be more consonant with the propositional character of the names generally to translate it "the king (is) glorious," from *adir* (אִדִּיר or אִדִּיר), "great, glorious," and *melek* (מֶלֶךְ), "a king." Or Adrammelech may be from *ediru* (comp. עִדֵּר), a common Assyrian word meaning "the arranger" and *melek*, and may signify "the king arranges," or "the king is the arranger."<sup>7</sup> Sharezer, if that be the true reading, would seem to be "the king protects," from *sar* or *sarru*, "a king" (as in Sargon), and a form, *izir*, from *nazar* or *natsar*,<sup>8</sup> "to guard, protect." The Armenian equivalent, however, for this name, San-asar, may be the proper form; and this would apparently be "The Moon (Sin) protects."

Nothing is more remarkable in this entire catalogue of names than their predominantly religious character. Of the thirty-nine kings and princes which the Assyrian lists furnish, the names of no fewer than thirty-one contain, as one element, either the name or the designation of a god. Of the remaining eight, five have doubtful names,<sup>1</sup> so that there remain three only whose names are

<sup>5</sup> *Danin* is Benoni of a root דָּנָן constantly used in Assyrian in the sense of "being strong" or "strengthening." *Sarru dannu*, "the powerful king," is the standard expression in all the royal inscriptions. The root has not, I believe, any representative in other Semitic languages.

<sup>6</sup> Oppert, *Expédition scientifique en Mésopotamie*, vol. ii. p. 355.

<sup>7</sup> Sir H. Rawlinson, in the author's *Herodotus*, vol. i. p. 502, 2nd ed.

<sup>8</sup> See above, p. 247.

<sup>1</sup> These five kings bear only two names, Pud-il and Shalmaneser, the latter of which occurs four times in our list. Various explanations have been given of the name Shalmaneser (see *Athenæum*, No. 1869, p. 244, note<sup>6</sup>; Oppert, *Expédition scientifique*, vol. ii. p. 353); but none is satisfactory.

known to be purely of a secular character.<sup>3</sup> Thirteen names, one of which was borne by two kings, contain the element Asshur; three, two of which occur twice, contain the element Nin;<sup>4</sup> two, one of which was in such favour as to occur four times,<sup>5</sup> contain the element Vul; three contain the element Bel; one the element Nebo; and one the element Sin.<sup>6</sup> The names occasionally express mere facts of the mythology, as Nin-pala-zira, "Nin (is) the son of Zira," Bel-sumili-kapi, "Bel (is) left-handed," and the like. More often the fact enunciated is one in which the glorification of the deity is involved; as, Asshur-bil-nisi-su, "Asshur (is) the lord of his people;" Buzur-Asshur, "a stronghold (is) Asshur;" Asshur-bil-kala, "Asshur (is) lord altogether." Frequently the name seems to imply some special thankfulness to a particular god for the particular child in question, who is viewed as having been his gift, in answer to a vow or to prayer. Of this kind are Asshur-akh-iddina (Esar-haddon), Sin-akhi-irib (Sennacherib), Asshur-bani-pal, &c.; where the god named seems to be thanked for the child whom he has caused to be born. Such names as Tiglathi-Nin, Tiglath-Pileser, express this feeling even more strongly, being actual ascriptions of praise by the grateful parent to the deity whom he regards as his benefactor. In a few of the names, as Mutaggil-Nebo and Shamas-Iva, the religious sentiment takes a different turn. Instead of the parent merely expressing his own feelings of gratitude towards this or that god, he dedicates in a way his son to him, assigning to him an appellation which he is to verify in his after-life by a special devotion to the deity of whom in his very name he professes himself the "servant" or the "worshipper."

<sup>3</sup> Sargon, Adrammelech, and Sharezer. Even here some doubt attaches to one name. If we read Sanasar for Sharezer, the name will be a religious one.

<sup>4</sup> *i. e.*, they either contain the name Nin, or the common designation of the god, *Pal-Zira*.

<sup>5</sup> This is the name which has been given as Vul-lush, a name composed of three elements, each one of which is of

uncertain sound, while the second and third are also of uncertain meaning.

<sup>6</sup> Sir H. Rawlinson has collected a list of nearly a thousand Assyrian names. About two-thirds of them have the name of a god for their dominant element. Asshur and Nebo hold the foremost place, and are of about equal frequency. The other divine names occur much less often than these, and no one of them has any particular prominence.



## B.

TABULAR VIEW OF THE NAMES ASSIGNED TO THE ASSYRIAN KINGS  
AT DIFFERENT TIMES AND BY DIFFERENT WRITERS.

Sir H. Rawlinson in 1860.	G. Smith in 1870.	Dr. Hincks.	M. Oppert in 1869. <sup>a</sup>
. . . . .	Bel-sumili-kapi?	. . . . .	Bel-kat-irassu.
. . . . .	Asshur-bilu-nisi-su	. . . . .	Asur-bel-nisi-su.
. . . . .	Buzur-Asshur	. . . . .	Busur-Assur.
. . . . .	Asshur-upallit	. . . . .	Asur-uballat.
Bel-lush	Bilu-nirari (?)	. . . . .	Bel-likh-khis.
Pud-il	Fudi-el	. . . . .	Fudi-el.
Vul-lush I. b	Vul-nirari I. (?)	. . . . .	Bin-likh-khis I.
Shalma-Bar c	Sallim-manu-uzur I.	Divanu-rish	Salman-asir II.
. . . . .	Tukulti-Ninip I.	. . . . .	Tuklat-Ninip I.
. . . . .	Vul-nirari II. (?)	. . . . .	Bin-likh-khis II.
Nin-pala-kura d	Nin-pala-zara	Ninip-pal-isri	Ninip-habal-asar.
Asshur-daha II	Asshur-dayan I.	Assur-dayan	Assur-dayan.
Mutaggil-Nebo	Mutaggil-Nabu	. . . . .	Mutakkil-Nabu.
Asshur-ris-elim	Asshur-ris-elim	. . . . .	Assur-ris-isi.
Tiglath-Pileser I.	Tukulti-pal-zara I.	Tiklat-pal-isri I.	Tuklat-habal-asar I.
Asshur-bani-pal I.	Asshur-bil-kala	. . . . .	Assur-iddanna-habal.
. . . . .	Samel-Vul I.	. . . . .	. . . . .
. . . . .	Asshur-rabu-amar	. . . . .	. . . . .
Asshur-adan-akhi	Asshur-muzur	. . . . .	Assur-iddin-akhe.
Asshur-dan-il	Asshur-iddin-akhi	. . . . .	Assur-edil-el I.
Vul-lush II.	Asshur-dayan II.	. . . . .	Bin-likh-khis III.
Tiglath-Ninip	Vul-nirari III. (?)	. . . . .	Tuklat-Ninip II.
Asshur-idanni-pal	Tukulti-Ninip II.	Shimish Bar	Assur-nazir-habal.
Shalmanu-sar I.	Asshur-nazir-pal e	Asshur-yuzhur bal f	Salman-asir III.
Shamaab-Vul	Sallim-manu-uzur II.	Divanu-Bara	Samae-Bin.
Vul-lush III.	Samel-Vul II.	Shamel-Yav	Bin-likh-khis IV.
. . . . .	Vul-nirari IV. (?)	. . . . .	Salman-asir IV.
. . . . .	Sallim-manu-uzur III.	. . . . .	Assur-edil-el II.
. . . . .	Asshur-dayan III.	. . . . .	Assur-likh-khis.
. . . . .	Asshur-nirari (?)	. . . . .	Tuklat-habal-asar II.
Tiglath-Pileser II. s	Tukulti-pal-zara II.	Tiklat-pal-isri II.	Salman-asir V.
Shalmanu-sar II.	Sallim-manu-uzur IV.	. . . . .	Saryu-kin.
Sargina	Sar-gina h	Sar-gina	Bin-akhe-irib.
Sennacherib	Sennacherib i	Tsin-akhi-irib	Assur-akh-iddin.
Esar-haddon	Esar-haddon i	Asshur-akh-iddin	Assur-bani-habal.
Asshur-bani-pal	Asshur-bani-pal	Asshur-iddanna-bal	Assur-edil-el III.
Assur-emit-il	Asshur-emit-ilin	. . . . .	

<sup>a</sup> In this list I have taken the forms of the names either from M. Oppert's own article in the *Revue archéologique* for 1869, or from the *Manuel d'Histoire ancienne de l'Orient* of his disciple, M. François Lenormant (5th ed. 1869).

<sup>b</sup> This name is composed of three elements, all of which are doubtful. The first is the god of the atmosphere, who has been called Vul, Iva, Yav, Yam, Yem, Ao, Bin, and U or Hu. The second element has been read as *likh*, *sala*, and *erim*; the third as *gab*, *khus*, and *pathir*. Both of them are most uncertain.

<sup>c</sup> Or Shalma-ria. This name was originally thought to be different from that of the Black-Obelisk king, but is now regarded as a mere variant, and as equivalent to the Scriptural Shalmaneser. The last element is the same word as the name of the Assyrian Hercules, who has been called Bar, Nin or Ninip, and Usur, and who possibly bore all these appellations. Sir H. Rawlinson originally called this king Temenbar. (*Commentary*, p. 22.)

<sup>d</sup> Or Nin-pala-sira. (Rawlinson's *Herodotus*, 1st edition.)

<sup>e</sup> The middle element of this name was thought to represent the root "to give," and to have the power of *iddin* or *idanni*; but a variant reading in the recently discovered Canon employs the phonetic complement of *ir*, thus showing that the root must be the one ordinarily represented by the character, namely 𐎶𐎵, "to protect," which will form *nazir* in the Benoni, and *isir* (for *isur*) in the third person of the aorist.

<sup>f</sup> Originally Dr. Hincks called this monarch Asshur-akh-bal. (Layard's *Nin. and Bab.* p. 615.) Mr. Fox Talbot still prefers this reading. (*Athenæum*, No. 1839, p. 120.)

<sup>g</sup> This, of course, is following the Hebrew literation. The Assyrian is read as Tukulti-pal-zara.

<sup>h</sup> Or, more fully, Sarru-gina.

<sup>i</sup> The Assyrian names of Sennacherib and Esar-haddon, according to Mr. G. Smith, were Sin-akhi-irba and Asshur-akh-iddina.

# THE THIRD MONARCHY.

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## MEDIA.

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### CHAPTER I.

#### DESCRIPTION OF THE COUNTRY.

Χώραν ναϊετάοντες ἀπέριτον, οἱ μὲν ἐπ' αὐτὰς  
Πέτρας αἱ φύουσιν ἀφεγγέα ναρκισσίτην,  
Οἱ δ' ἑκάς ἐν λασίησι νενασμένοι εἰαμενῆσι,  
Πῶσα καλὰ νέμοντες ἄδην βαβριθότα μαλλοῖς.

DIONYS. *Perieg.* 1030-1033.

ALONG the eastern flank of the great Mesopotamian lowland, curving round it on the north, and stretching beyond it to the south and the south-east, lies a vast elevated region, or highland, no portion of which appears to be less than 3000 feet above the sea-level.<sup>1</sup> This region may be divided, broadly, into two tracts, one consisting of lofty mountainous ridges, which form its outskirts on the north and on the west; the other, in the main a high flat table-land, extending from the foot of the mountain-chains, southward to the Indian Ocean, and eastward to the country of the Affghans. The western mountain-country consists, as has been already observed,<sup>2</sup> of six or seven parallel ridges, having a direction nearly from the north-west to the south-east, enclosing between them valleys of great fertility, and well watered by a large number of plentiful and refreshing streams. This district was known to the ancients as Zagros,<sup>3</sup>

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<sup>1</sup> See the author's *Herodotus*, vol. i. p. 440, 2nd edition. Compare Chesney, *Euphrates Expedition*, vol. i. p. 65; *Geographical Journal*, vol. iii. p. 112; Fraser, *Khorasan*, p. 162, note.

<sup>2</sup> See vol. i. p. 206.

<sup>3</sup> Polyb. v. 44, § 6; 54, § 7; 55, § 6; Strab. xi. p. 759; Plin. *H. N.* vi. 27; xii. 12; Ptol. vi. 2; Amm. Marc. xxiii. 6, p. 404; &c. The name Zagros more especially attached to the central portion of the chain from the mountain district

while in modern geography it bears the names of Kurdistan and Luristan. It has always been inhabited by a multitude of war-like tribes,<sup>4</sup> and has rarely formed for any long period a portion of any settled monarchy. Full of torrents, of deep ravines, or rocky summits, abrupt and almost inaccessible; containing but few passes, and those narrow and easily defensible; secure, moreover, owing to the rigour of its climate, from hostile invasion during more than half the year; it has defied all attempts to effect its permanent subjugation, whether made by Assyrians, Persians, Greeks, Parthians, or Turks, and remains to this day as independent of the great powers in its neighbourhood as it was when the Assyrian armies first penetrated its recesses. Nature seems to have constructed it to be a nursery of hardy and vigorous men, a stumbling-block to conquerors, a thorn in the side of every powerful empire which arises in this part of the great eastern continent.

The northern mountain country — known to modern geographers as Elburz — is a tract of far less importance. It is not composed, like Zagros, of a number of parallel chains, but consists of a single lofty ridge, furrowed by ravines and valleys,<sup>5</sup> from which spurs are thrown out, running in general at right angles to its axis. Its width is comparatively slight; and, instead of giving birth to numerous large rivers, it forms only a small number of insignificant streams, often dry in summer, which have short courses, being soon absorbed either by the Caspian or the Desert. Its most striking feature is the snowy peak of Demavend,<sup>6</sup> which impends over Teheran, and appears

south of Lake Van to the latitude of Isfahan. A good general description of the range is given by Q. Curtius: — "Namque Persis ab altero latere perpetuis montium jugis clauditur, quod in longitudinem MDC stadia, in latitudinem CLXX procurrit. Hoc dorsum a Caucasio monte ad Rubrum mare pertinet; quaque deficit mons, aliud munimentum, fretum objectum est." (*Vit. Alex. Mag.* v. 4.) Diodorus Siculus well describes the delightful character of the region (xix. 21.)

<sup>4</sup> Xen. *Anab.* iii. 5; Strab. xi. 13, § 3; Arr. *Exp. Al.* iii. 17.

<sup>5</sup> Ker Porter, *Travels*, vol. i. p. 357; Fraser, *Khorasan*, p. 244.

<sup>6</sup> Ker Porter well describes the majestic appearance of Demavend from the neighbourhood of Teheran, the present capital of Persia: "The mountain of Demavend bears N. 65° E. of Teheran, about forty miles distant; and is seen, raising its lofty and pale summit to the north-east of the town; forming a magnificent pyramid that shoots up from the high range of Elburz, which bounds the wide plain in that direction." (*Travels*, i. s. c.) Recent ascents of Demavend have proved it to have an elevation of

to be the highest summit in the part of Asia west of the Himalayas.

The elevated plateau which stretches from the foot of those two mountain regions to the south and east is, for the most part, a flat sandy desert, incapable of sustaining more than a sparse and scanty population. The northern and western portions are, however, less arid than the east and south, being watered to some distance by the streams that descend from Zagros and Elburz, and deriving fertility also from the spring rains. Some of the rivers which flow from Zagros on this side are large and strong. One, the Kizil-Uzen, reaches the Caspian. Another, the Zenderud, fertilises a large district near Isfahan. A third, the Bendamir, flows by Persepolis and terminates in a sheet of water of some size—Lake Bakhtigan. A tract thus intervenes between the mountain regions and the desert which, though it cannot be called fertile, is fairly productive, and can support a large settled population. This forms the chief portion of the region which the ancients called Media, as being the country inhabited by the race on whose history we are about to enter.

Media, however, included, besides this, another tract of considerable size and importance. At the north-western angle of the region above described, in the corner whence the two great chains branch out to the south and to the east, is a tract composed almost entirely of mountains, which the Greeks called *Atropatênê*,<sup>1</sup> and which is now known as Azerbaijan. This district lies further to the north than the rest of Media, being in the same parallels with the lower part of the Caspian Sea. It comprises the entire basin of Lake Urumiyeh, together with the country intervening between that basin and the high mountain chain which curves round the south-western corner of the Caspian. It is a region generally somewhat sterile, but containing a certain quantity of very fertile territory, more particularly in the Urumiyeh basin, and towards the mouth of the river Araxes.

more than 20,000 feet. (See the author's *Herodotus*, vol. i. p. 442, note <sup>1</sup>.) Ararat is only 17,000 feet; and the highest peak in the Caucasus does not exceed 18,000 feet.

<sup>1</sup> This name was derived from Atro-

pates, the governor of the region at the time of the battle of Arbela, who made terms with Alexander, and was allowed to keep the province, where he shortly made himself independent. (Strab. xi. 13, § 1; Diod. Sic. xviii. 3.)

traveller with a feeling of sadness and weariness. Even in Azerbaijan, which is one of the least arid portions of the territory, vast tracks consist of open undulating downs,<sup>9</sup> desolate and sterile, bearing only a coarse withered grass and a few stunted bushes.

Still there are considerable exceptions to this general aspect of desolation. In the worst parts of the region, there is a time after the spring rains when nature puts on a holiday dress, and the country becomes gay and cheerful. The slopes at the base of the rocky ranges are tinged with an emerald green:<sup>10</sup> a richer vegetation springs up over the plains,<sup>11</sup> which are covered with a fine herbage or with a variety of crops; the fruit trees which surround the villages burst out into the most luxuriant blossom; the roses come into bloom, and their perfume everywhere fills the air.<sup>12</sup> For the two months of April and May the whole face of the country is changed, and a lovely verdure replaces the ordinary dull sterility.

In a certain number of more favoured spots, beauty and fertility are found during nearly the whole of the year. All round the shores of Lake Urumiyeh,<sup>1</sup> more especially in the rich plain of Miyandab at its southern extremity, along the valleys of the Aras,<sup>2</sup> the Kizil-uzen,<sup>3</sup> and the Jaghetu,<sup>4</sup> in the great *ballook* of Linjan,<sup>5</sup> fertilised by irrigation from the Zenderud, in the Zagros valleys,<sup>6</sup> and in various other places, there is an excellent soil which produces abundantly with very slight cultivation.

The general sterility of Media arises from the scantiness of the water supply. It has but few rivers, and the streams that it possesses run for the most part in deep and narrow valleys

<sup>9</sup> Sir H. Rawlinson in *Geograph. Journ.* vol. x. pp. 43, 44, 55, &c. Even here a tree is a rarity. (Morier, *Second Journey*, p. 237.)

<sup>10</sup> Fraser, p. 163.

<sup>11</sup> Ker Porter, vol. i. pp. 285, 367, &c.

<sup>12</sup> *Ibid.* pp. 228, 231, &c.; *Geograph. Journ.* vol. x. p. 29.

<sup>1</sup> *Journal of Geographical Society*, vol. x. pp. 2, 5, 10, 13, 39, &c.; Kinneir, *Persian Empire*, pp. 153-156; Morier, *Second Journey*, p. 284; Ker Porter, vol. ii. p. 592-607.

<sup>2</sup> Ker Porter, *Travels*, vol. i. p. 217; Kinneir, p. 153; Morier, pp. 234-236. The plain of Moghan on the lower Aras is famous for its rich soil and luxuriant pastures. The Persians say that the grass is sufficiently high to hide an army from view when encamped. (Kinneir, l. s. c.)

<sup>3</sup> *Journal of Geograph. Society*, vol. x. p. 59; Ker Porter, vol. i. p. 267.

<sup>4</sup> *Geograph. Journ.* vol. x. pp. 11, 40, &c.

<sup>5</sup> Kinneir, p. 110.

<sup>6</sup> Rich, *Kurdistan*, pp. 60, 130-134, &c.

sunk below the general level of the country, so that they cannot be applied at all widely to purposes of irrigation. Moreover, some of them are, unfortunately, impregnated with salt to such an extent that they are altogether useless for this purpose;<sup>7</sup> and indeed, instead of fertilising, spread around them desolation and barrenness. The only Median streams which are of sufficient importance to require description are the Aras, the Kizil-Uzen, the Jaghetu, the Aji-Su and the Zenderud, or river of Isfahan.

The Aras is only very partially a Median stream.<sup>8</sup> It rises from several sources in the mountain tract between Kars and Erzeroum,<sup>9</sup> and runs with a generally eastern direction through Armenia to the longitude of Mount Ararat, where it crosses the fortieth parallel and begins to trend southward, flowing along the eastern side of Ararat in a south-easterly direction, nearly to the Julfa ferry on the highroad from Erivan to Tabriz. From this point it runs only a little south of east to long. 46° 30' E. from Greenwich, when it makes almost a right angle and runs directly north-east to its junction with the Kur at Djavat. Soon after this it curves to the south, and enters the Caspian by several mouths in lat. 39° 10' nearly. The Aras is a considerable stream almost from its source. At Hassan-Kaleh, less than twenty miles from Erzeroum, where the river is forded in several branches, the water reaches to the saddle-girths.<sup>10</sup> At Keupri-Kieui, not much lower, the stream is crossed by a bridge of seven arches.<sup>11</sup> At the Julfa ferry it is fifty yards wide, and runs with a strong current.<sup>12</sup> At Megree, thirty miles further down, its width is eighty yards.<sup>13</sup> In spring and early summer the stream receives enormous accessions from the spring rains and the melting of the snows, which produce floods that often cause great damage to the lands and villages along the valley. Hence the difficulty of maintaining bridges over the Aras, which was noted as early

<sup>7</sup> Ker Porter, vol. i. pp. 220, 370, &c.; Morier, *Second Journey*, pp. 167, 233; *Geograph. Journ.* vol. xxxi. p. 38.

<sup>8</sup> According to Strabo (xi. 13, § 3), the lower Araxes was the boundary between Armenia and Media Atropatène. Thus even here one bank only was

Median; and the upper course of the river was entirely in Armenia.

<sup>9</sup> See Hamilton's *Asia Minor*, vol. i. p. 183.

<sup>10</sup> *Ibid.* l. s. c. <sup>11</sup> *Ibid.* p. 185.

<sup>12</sup> Ker Porter, vol. i. p. 215.

<sup>13</sup> Kinneir, p. 321.

as the time of Augustus,<sup>14</sup> and is attested by the ruins of many such structures remaining along its course.<sup>15</sup> Still, there are at the present day at least three bridges over the stream, — one, which has been already mentioned, at Keupri-Kieui, another a little above Nakshivan, and the third at Khudoperinski, a little below Megree.<sup>16</sup> The length of the Aras, including only main windings, is 500 miles.<sup>17</sup>

The Kizil-Uzen, or (as it is called in the lower part of its course) the Sefid-Rud, is a stream of less size than the Aras, but more important to Media, within which lies almost the whole of its basin. It drains a tract of 180 miles long by 150 broad before bursting through the Elburz mountain chain, and descending upon the low country which skirts the Caspian. Rising in Persian Kurdistan almost from the foot of Zagros, it runs in a meandering course with a general direction of north-east through that province into the district of Khamseh, where it suddenly sweeps round and flows in a bold curve at the foot of lofty and precipitous rocks,<sup>18</sup> first north-west and then north, nearly to Miana, when it doubles back upon itself, and turning the flank of the Zenjan range runs with a course nearly south-east to Menjil, after which it resumes its original direction of north-east, and rushing down the pass of Rudbar<sup>19</sup> crosses Ghilan to the Caspian. Though its source is in direct distance no more than 220 miles from its mouth, its entire length, owing to its numerous curves and meanders, is estimated at 490 miles.<sup>20</sup> It is a considerable stream, forded with difficulty, even in the dry season, as high up as Karagul,<sup>21</sup> and crossed by a bridge of three wide arches before its junction with the Garongu river near Miana.<sup>22</sup> In spring and early summer it is an impetuous torrent, and can only be forded within a short distance of its source.

<sup>14</sup> Virgil, *Æn.* viii. 728. "Pontem indignatus Araxes."

<sup>15</sup> Ker Porter, vol. ii. pp. 610, 641, &c.

<sup>16</sup> Kinneir, l. s. c.

<sup>17</sup> Colonel Chesney estimates the whole course of the Araxes, including all its windings, at 830 miles. (*Euphrates Expedition*, vol. i. p. 12.)

<sup>18</sup> Sir H. Rawlinson estimated the

height of these rocks above the stream at 1500 feet. (*Geograph. Journ.* vol. x. p. 59.)

<sup>19</sup> *Ibid.* p. 64; Kinneir, p. 124.

<sup>20</sup> Chesney, *Euphrates Expedition*, vol. i. p. 191.

<sup>21</sup> *Geograph. Journ.* vol. x. p. 59.

<sup>22</sup> Ker Porter, vol. i. p. 267; Morier, *First Journey*, p. 267.

The Jaghetu and the Aji-Su are the two chief rivers of the Urumiyeh basin. The Jaghetu rises from the foot of the Zagros chain, at a very little distance from the source of the Kizil-Uzen. It collects the streams from the range of hills which divides the Kizil-Uzen basin from that of Lake Urumiyeh, and flows in a tolerably straight course first north and then north-west to the south-eastern shore of the lake. Side by side with it for some distance flows the smaller stream of the Tatau, formed by torrents from Zagros; and between them, towards their mouths, is the rich plain of Miyandab, easily irrigated from the two streams, the level of whose beds is above that of the plain,<sup>23</sup> and abundantly productive even under the present system of cultivation. The Aji-Su reaches the lake from the north-east. It rises from Mount Sevilan, within sixty miles of the Caspian, and flows with a course which is at first nearly due south, then north-west, and finally south-west, past the city of Tabriz, to the eastern shore of the lake, which it enters in lat.  $37^{\circ} 50'$ . The waters of the Aji-Su are, unfortunately, salt,<sup>24</sup> and it is therefore valueless for purposes of irrigation.

The Zenderud or river of Isfahan rises from the eastern flank of the Kuh-i-Zerd (Yellow Mountain), a portion of the Bakhti-yari chain, and receiving a number of tributaries from the same mountain district, flows with a course which is generally east or somewhat north of east, past the great city of Isfahan — so long the capital of Persia — into the desert country beyond, where it is absorbed in irrigation.<sup>1</sup> Its entire course is perhaps not more than 120 or 130 miles; but running chiefly through a plain region, and being naturally a stream of large size, it is among the most valuable of the Median rivers, its waters being capable of spreading fertility, by means of a proper arrangement of canals, over a vast extent of country,<sup>2</sup> and giving to this part

<sup>23</sup> *Geograph. Journ.* vol. x. p. 11.

<sup>24</sup> Ker Porter, vol. i. p. 220; Morier, *Second Journey*, p. 233.

<sup>1</sup> Kinneir, p. 109.

<sup>2</sup> According to Kinneir, the whole *ballook* of Linjan, a district *seventy miles long and forty wide*, is irrigated by canals

cut from the Zenderud, which render it one of the most productive parts of Persia (p. 110). Ker Porter speaks of the "great quantities of water which are drawn off from the Zenderud for the daily use of the rice-fields all around Isfahan" (vol. i. p. 420).



of Iran a sylvan character,<sup>3</sup> scarcely found elsewhere on the plateau.

It will be observed that of these streams there is not one which reaches the ocean. All the rivers of the great Iranic plateau terminate in lakes or inland seas, or else lose themselves in the desert. In general the thirsty sand absorbs, within a short distance of their source, the various brooks and streams which flow south and east into the desert from the northern and western mountain chains, without allowing them to collect into rivers or to carry fertility far into the plain region. The river of Isfahan forms the only exception to this rule within the limits of the ancient Media. All its other important streams, as has been seen, flow either into the Caspian or into the great lake of Urumiyeh.

That lake itself now requires our attention. It is an oblong basin, stretching in its greater direction from N.N.W. to S.S.E., a distance of above eighty miles, with an average width of about twenty-five miles.<sup>4</sup> On its eastern side a remarkable peninsula, projecting far into its waters, divides it into two portions of very unequal size—a northern and a southern. The southern one, which is the largest of the two, is diversified towards its centre by a group of islands, some of which are of a considerable size. The lake, like others in this part of Asia,<sup>5</sup> is several thousand feet above the sea level. Its waters are heavily impregnated with salt, resembling those of the Dead Sea. No fish can live in them. When a storm sweeps over their surface it only raises the waves a few feet; and no sooner is it passed than they rapidly subside again into a deep, heavy, death-like sleep.<sup>6</sup> The lake is shallow, nowhere exceeding four fathoms, and averaging about two fathoms—a depth which, however, is rarely attained within two miles of the land. The water is pellucid. To the eye it has the deep blue colour of

<sup>3</sup> Ker Porter, vol. i. pp. 411 and 431; vol. ii. p. 60.

<sup>4</sup> Kinneir goes considerably beyond the truth when he estimates the circumference at 300 miles. (*Persian Empire*, p. 155.)

<sup>5</sup> Lake Urumiyeh is 4200 feet above

the sea level; Lake Van 5400 feet. Lake Sivan is less elevated than either of these; but still its height above the sea is considerable.

<sup>6</sup> See *Geographical Journal*, vol. x. p. 7. Compare vol. iii. p. 56; and see also Kinneir, l. s. c.

some of the northern Italian lakes, whence it was called by the Armenians the Kapotan Zow or "Blue Sea."<sup>7</sup>

According to the Armenian geography, Media contained eleven districts;<sup>8</sup> Ptolemy makes the number eight;<sup>9</sup> but the classical geographers in general are contented with the twofold division already indicated,<sup>10</sup> and recognise as the constituent parts of Media only Atropatêné (now Azerbaijan) and Media Magna, a tract which nearly corresponds with the two provinces of Irak Ajemi and Ardelan. Of the minor subdivisions there are but two or three which seem to deserve any special notice. One of these is Rhagiana, or the tract skirting the Elburz Mountains from the vicinity of the Kizil-Uzen (or Sefid-Rud) to the Caspian Gates, a long and narrow slip, fairly productive, but excessively hot in summer, which took its name from the important city of Rhages. Another is Nisæa, a name which the Medes seem to have carried with them from their early eastern abodes,<sup>11</sup> and to have applied to some high upland plains west of the main chain of Zagros, which were peculiarly favourable to the breeding of horses. As Alexander visited these pastures on his way from Susa to Ecbatana,<sup>12</sup> they must necessarily have lain to the south of the latter city. Most probably they are to be identified with the modern plains of Khawah and Alishtar, between Behistun and Khorramabad, which are even now considered to afford the best summer pasturage in Persia.<sup>13</sup>

It is uncertain whether any of these divisions were known

<sup>7</sup> *Armen. Geogr.* p. 364. It has been ingeniously conjectured that Strabo's *Σαῖρα* (xi. 13, § 2) is a corruption of *Καῖρα*, due to some ancient copyist. (See St. Martin's *Recherches sur l'Arménie*, tom. i. p. 59; and compare Ingigi, *Archæolog. Armen.* vol. i. p. 160, and *Geograph. Journ.* vol. x. p. 9.)

<sup>8</sup> These were Atropatia (or Atropatêné), Rhea (Rhagiana), Gilania (Ghilan), Mucania, Dilumia, Amatania (Hamadan), Dambuarla, Sparastania, Amila, Chesosia, and Rhovania (pp. 363, 364).

<sup>9</sup> Ptolemy's districts are Margiana, Tropatêné (i. e. Atropatêné), Choroml-

thrêné, Elymais, Sigriana, Rhagiana, Daritis, and Syro-Media (*Geograph.* vi. 2).

<sup>10</sup> See above, p. 253.

<sup>11</sup> The proper Nisæa is the district of Nishapur in Khorasan (Strabo, xi. 7, § 2; Isid. Char. p. 7), whence it is probable that the famous breed of horses was originally brought. The Turkoman horses of the *Atak* are famous throughout Persia. (See the *Geograph. Journ.* vol. ix. p. 101.)

<sup>12</sup> Arrian, *Exp. Alex.* vii. 13. Compare Diod. Sic. xvii. 110, § 6.

<sup>13</sup> *Geographical Journal*, vol. ix. pp. 100, 101. Compare Ker Porter, vol. ii. p. 84.

in the time of the great Median Empire. They are not constituted in any case by marked natural lines or features. On the whole it is perhaps most probable that the main division — that into Media Magna and Media Atropatêné — was ancient, Atropatêné being the old home of the Medes,<sup>14</sup> and Media Magna a later conquest; but the early political geography of the country is too obscure to justify us in laying down even this as certain. The minor political divisions are still less distinguishable in the darkness of those ancient times.

From the consideration of the districts which composed the Median territory, we may pass to that of their principal cities, some of which deservedly obtained a very great celebrity. The most important of all were the two Ecbatanas — the northern and the southern — which seem to have stood respectively in the position of metropolis to the northern and the southern province. Next to these may be named Rhages, which was probably from early times a very considerable place; while in the third rank may be mentioned Bagistan — rather perhaps a palace than a town — Concohar, Adrapan, Aspadan, Charax, Kudrus, Hyspaestes, Urakagabarna, &c.

The southern Ecbatana or Agbatana — which the Medes and Persians themselves knew as Hagmatán<sup>1</sup> — was situated, as we learn from Polybius<sup>2</sup> and Diodorus,<sup>3</sup> on a plain at the foot of Mount Orontes, a little to the east of the Zagros range. The notices of these authors, combined with those of Eratosthenes,<sup>4</sup> Isidore,<sup>5</sup> Pliny,<sup>6</sup> Arrian,<sup>7</sup> and others, render it as nearly certain as possible that the site was that of the modern town of

<sup>14</sup> I suspect that the *Varena* of the Vendidad is Atropatêné, so named from its capital city, which was often called Vara or Vera (infra, p. 268, note<sup>17</sup>); and I believe that the Bikan of the Assyrian inscriptions designates the same district. (See above, p. 192, note<sup>5</sup>.)

<sup>1</sup> Haginatana, or Hagmatan, is the form used in the Behistun inscription, which was set up in Media within a short distance of the city itself. The Achmetha (אחמטא) of Ezra (vi. 2) drops the last consonant (just as 1 Chr. v. 26

drops the same letter from Harran); but otherwise it fairly represents the native word. Of the two Greek forms, Agbatana, which is the more ancient, is to be preferred.

<sup>2</sup> Polyb. x. 27.

<sup>3</sup> Diod. Sic. ii. 13, § 6.

<sup>4</sup> Ap. Strab. ii. p. 79.

<sup>5</sup> *Mans. Parth.* p. 6; ed. Hudson, in his *Geographi Minores*. The "Apobatan" of this passage is beyond a doubt Ecbatana.

<sup>6</sup> *H. N.* vi. 14 and 26.

<sup>7</sup> *Exp. Alex.* iii. 19, 20.

Hamadan,<sup>8</sup> the name of which is clearly but a slight corruption of the true ancient appellation. Mount Orontes is to be recognised in the modern Elwend or Erwend—a word etymologically identical with *Oront-es*—which is a long and lofty mountain standing out like a buttress from the Zagros range,<sup>9</sup> with which it is connected towards the north-west, while on every other side it stands isolated, sweeping boldly down upon the flat country at its base. Copious streams descend from the mountain on every side, more particularly to the north-east, where the plain is covered with a carpet of the most luxuriant verdure, diversified with rills, and ornamented with numerous groves of large and handsome forest trees. It is here, on ground sloping slightly away from the roots of the mountain,<sup>10</sup> that the modern town, which lies directly at its foot, is built. The ancient city, if we may believe Diodorus, did not approach the mountain within a mile or a mile and a half.<sup>11</sup> At any rate, if it began where Hamadan now stands, it most certainly extended very much further into the plain. We need not suppose indeed that it had the circumference, or even half the circumference, which the Sicilian romancer assigns to it, since his two hundred and fifty stades<sup>12</sup> would give a probable area of fifty square miles, more than double that of London! Ecbatana is not likely to have been at its most flourishing period a larger city than Nineveh; and we have already seen that Nineveh covered a space, within the walls, of not more than 1800 English acres.<sup>13</sup>

<sup>8</sup> Chardin believed Hamadan to occupy the site of Susa (*Voyages en Perse*, tom. iii. p. 15), and the late Archdeacon Williams argued with much learning and ability that Ecbatana was at or near Isfahan (*Geography of Ancient Asia*, pp. 9-48); but with these exceptions there is an almost unanimous consent among scholars and travellers as to the identity of Hamadan with the great Median capital. (See Ritter's *Erdkunde*, vol. ix. pp. 98-100; and compare Heeren, *As. Nat.* vol. i. p. 250, E. T.; Sainte-Croix, *Mém. de l'Académie des Inscriptions*, vol. i. pp. 108-141; Ouseley, *Travels in the East*, vol. iii. p. 411; Morier, *Second*

*Journey*, pp. 264-271; Ker Porter, *Travels*, vol. ii. pp. 99-115, &c.)

<sup>9</sup> Ker Porter estimates the length of Mount Orontes at 30 miles from the point where it leaves the main range (*Travels*, vol. ii. p. 139). Kinneir (*Persian Empire*, p. 126) says that "Elwend proper" is "not more than twelve miles" long. The height of Orontes is estimated by Ritter at "10,000 feet at the least." (*Erdkunde*, vol. ix. p. 87.)

<sup>10</sup> Ker Porter, p. 101.

<sup>11</sup> τὸν γὰρ Ἐκβατάνων ὡς δώδεκα σταδίων ἀπέχον ἑστίν ἄρος ὃ καλεῖται Ὀρόντης. (Diod. Sic. ii. 13, § 7.)

<sup>12</sup> Diod. Sic. xvii. 110, § 7.

<sup>13</sup> See above, vol. i. p. 256.

The character of the city and of its chief edifices has, unfortunately, to be gathered almost entirely from unsatisfactory authorities. Hitherto it has been found possible in these volumes to check and correct the statements of ancient writers, which are almost always exaggerated, by an appeal to the incontrovertible evidence of modern surveys and explorations. But the Median capital has never yet attracted a scientific expedition. The travellers by whom it has been visited have reported so unfavourably of its character as a field of antiquarian research, that scarcely a spadeful of soil has been dug, either in the city or in its vicinity, with a view to recover traces of the ancient buildings. Scarcely any remains of antiquity are apparent. As the site has never been deserted, and the town has thus been subjected for nearly twenty-two centuries to the destructive ravages of foreign conquerors, and the still more injurious plunderings of native builders, anxious to obtain materials for new edifices at the least possible cost and trouble, the ancient structures have everywhere disappeared from sight, and are not even indicated by mounds of a sufficient size to attract the attention of common observers. Scientific explorers have consequently been deterred from turning their energies in this direction; more promising sites have offered and still offer themselves; and it is as yet uncertain whether the plan of the old town might not be traced and the position of its chief edifices fixed by the means of careful researches conducted by fully competent persons. In this dearth of modern materials we have to depend entirely upon the classical writers, who are rarely trustworthy in their descriptions or measurements, and who, in this instance, labour under the peculiar disadvantage of being mere reporters of the accounts given by others.

Ecbatana was chiefly celebrated for the magnificence of its palace, a structure ascribed by Diodorus to Semiramis,<sup>14</sup> but most probably constructed originally by Cyaxares, and improved, enlarged, and embellished by the Achæmenian monarchs. According to the judicious and moderate Polybius, who prefaces his account by a protest against exaggeration and over-

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<sup>14</sup> Diod. Sic. ii. 13, § 6.

colouring, the circumference of the building was seven stades,<sup>15</sup> or 1420 yards, somewhat more than four-fifths of an English mile. This size, which a little exceeds that of the palace mound at Susa, while it is in its turn a little exceeded by the palatial platform at Persepolis,<sup>16</sup> may well be accepted as probably close to the truth. Judging, however, from the analogy of the above-mentioned palaces, we must conclude that the area thus assigned to the royal residence was far from being entirely covered with buildings. One-half of the space, perhaps more, would be occupied by large open courts, paved probably with marble, surrounding the various blocks of buildings and separating them from one another. The buildings themselves may be conjectured to have resembled those of the Achæmenian monarchs at Susa and Persepolis, with the exception, apparently, that the pillars, which formed their most striking characteristic, were for the most part of wood rather than of stone. Polybius distinguishes the pillars into two classes,<sup>1</sup> those of the main buildings (οἱ ἐν ταῖς στοαῖς), and those which skirted the courts (οἱ ἐν τοῖς περιστύλοις), from which it would appear that at Ecbatana the courts were surrounded by colonnades, as they were commonly in Greek and Roman houses.<sup>2</sup> These wooden pillars, all either of cedar or of cypress,<sup>3</sup> supported beams of a similar material, which crossed each other at right angles, leaving square spaces (παρῳμάτα) between, which were then filled in with wood-work. Above the whole a roof was placed, sloping at an angle,<sup>4</sup> and composed (as we are told) of silver plates in the shape of tiles. The pillars, beams, and the rest of the wood-work were likewise coated with thin laminæ of the precious metals, even gold being used for this purpose to a certain extent.<sup>5</sup>

<sup>15</sup> Polyb. x. 27, § 9.

<sup>16</sup> The circumference of the palace mound at Susa is about 4000 feet, or 1333 yards. (Loftus, *Chaldæa and Susiana*, plan, opp. p. 340.) That of the Persepolitan platform is 4578 feet, or 1526 yards. (Ker Porter, vol. i. p. 582.) The Assyrian palace mounds are in some instances still larger. The circuit of the Nimrud mound is nearly 1900, and that of the Koyunjik platform exceeds 2000 yards.

<sup>1</sup> Polyb. x. 27, § 10.

<sup>2</sup> The Assyrian courts seem, on the contrary, to have been quite open.

<sup>3</sup> Polyb. l. s. c. Οὐσῆς γὰρ τῆς ξυλίας ἀπάσης κεδρίνης καὶ κυπαριττίνης, κ. τ. λ.

<sup>4</sup> That the Persians in some cases used sloping roofs, rather than flat ones, we may gather from the "Tomb of Cyrus."

<sup>5</sup> Polyb. l. s. c. τοὺς κίονας, τοὺς μὲν ἀργυραῖς τοὺς δὲ χρυσαῖς λεπίσι περιειληφθῆαι, τὰς δὲ κεραμίδας ἀργυρᾶς εἶναι πάσας.

Such seems to have been the character of the true ancient Median palace, which served probably as a model to Darius and Xerxes when they designed their great palatial edifices at the more southern capitals. In the additions which the palace received under the Achæmenian kings, stone pillars may have been introduced; and hence probably the broken shafts and bases, so nearly resembling the Persepolitan, one of which Sir R. Ker Porter<sup>6</sup> saw in the immediate neighbourhood of Hamadan on his visit to that place in 1818. But, to judge



Stone Base of a Pillar. (Hamadan.)

from the description of Polybius, an older and ruder style of architecture prevailed in the main building, which depended for its effect not on the beauty of architectural forms, but on the richness and costliness of the material. A pillar architecture, so far as appears, began in this part of Asia with the Medes,<sup>7</sup> who, however, were content to use the more readily obtained and more easily worked material of wood;

while the Persians afterwards conceived the idea of substituting for these inartificial props the slender and elegant stone shafts which formed the glory of their grand edifices.

At a short distance from the palace was the "Acra," or cita-

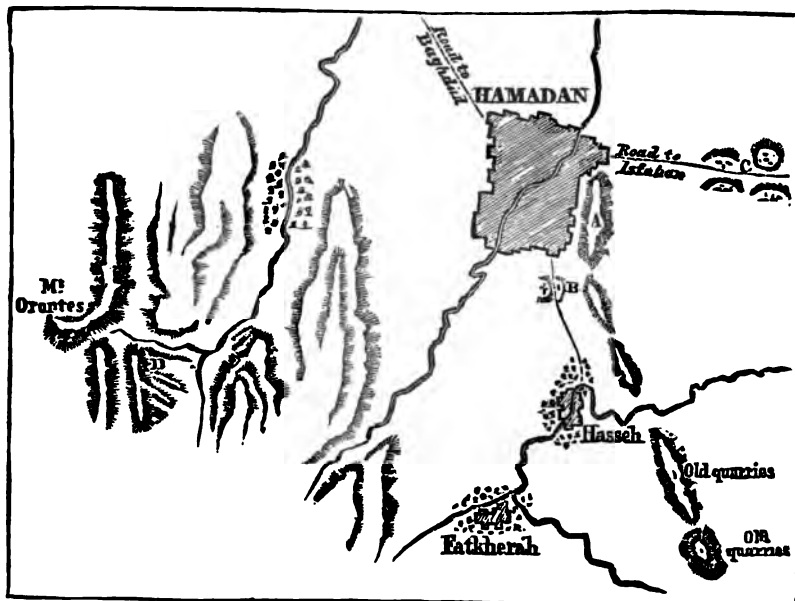
<sup>6</sup> See his *Travels*, vol. ii. p. 115. The shaft and base were also seen by Mr. Morier in 1813, and are figured by him in his work entitled a *Second Journey through Persia*. (See p. 268.) It is from this work that the above illustration is taken.

Sir H. Rawlinson, who visited Hamadan frequently between 1835 and 1839, saw five or six other pillar bases of the same type.

<sup>7</sup> The rare use of pillars by the Assyrians has been noticed in the first volume (vol. i. p. 303, note <sup>6</sup>). If, as seems probable, they were more largely employed by the later Babylonians, we

may ascribe their introduction to Median influence. (See the chapter on the "Arts and Sciences of the Babylonians.") A pillar architecture naturally began in a country where there was abundant wood. The first pillars were mere rough posts, like those which support the houses of the Kurds and Yezidis. (See Layard's *Nineveh and Babylon*, p. 252.) These were after a time shaped regularly, then carved and ornamented; while finally they were replaced by stone shafts, which may have been first used where wood was scarce, but were soon perceived to be of superior beauty.

del, an artificial structure, if we may believe Polybius, and a place of very remarkable strength.<sup>8</sup> Here probably was the treasury, from which Darius Codomannus carried off 7000 talents of silver, when he fled towards Bactria for fear of Alexander.<sup>9</sup> And here, too, may have been the Record Office, in which were deposited the royal decrees and other public documents under the earlier Persian kings.<sup>10</sup> Some travellers<sup>11</sup>



Plan of the Country about Hamadan.

A. Ancient citadel. B. Figure of lion. C. Remains of buildings. D. Cuneiform inscriptions.

are of opinion that a portion of the ancient structure still exists; and there is certainly a ruin on the outskirts of the modern town towards the south, which is known to the natives as "the inner fortress," and which may not improbably occupy some portion of the site whereon the original citadel stood. But the remains of building which now exist are certainly not of an

<sup>8</sup> Polyb. x. 27, § 6. "Ἀκρὰν ἐν αὐτῇ χειροποίητον ἔχει, θαυμασίως πρὸς δυνάμειν κατασκευασμένην."

<sup>9</sup> Arrian, *Exp. Alex.* iii. 19.

<sup>10</sup> Ezra vi. 2.

<sup>11</sup> As Ker Porter (*Travels*, vol. ii. p. 101).



earlier date than the era of Parthian supremacy,<sup>12</sup> and they can therefore throw no light on the character of the old Median stronghold. It may be thought perhaps that the description which Herodotus gives of the building called by him "the palace of Deïoces" should be here applied, and that by its means we might obtain an exact notion of the original structure. But the account of this author is wholly at variance with the natural features of the neighbourhood, where there is no such conical hill as he describes, but only a plain surrounded by mountains. It seems, therefore, to be certain that either his description is a pure myth, or that it applies to another city, the Ecbatana of the northern province.

It is doubtful whether the Median capital was at any time surrounded with walls. Polybius expressly declares that it was an unwallèd place in his day;<sup>13</sup> and there is some reason to suspect that it had always been in this condition. The Medes and Persians appear to have been in general content to establish in each town a fortified citadel or stronghold, round which the houses were clustered, without superadding the further defence of a town wall.<sup>14</sup> Ecbatana accordingly seems never to have stood a siege.<sup>15</sup> When the nation which held it was defeated in the open field, the city (unlike Babylon and Nineveh) submitted to the conqueror without a struggle. Thus the marvellous description in the book of Judith,<sup>16</sup> which is internally very improbable, would appear to be entirely destitute of any, even the slightest, foundation in fact.

The chief city of northern Media, which bore in later times the names of Gaza, Gazaca, or Canzaca,<sup>17</sup> is thought to have also

<sup>12</sup> This is the decided opinion of Sir H. Rawlinson, who carefully examined the ruins in 1836.

<sup>13</sup> Polyb. l. s. c.

<sup>14</sup> Herodotus expressly states that the northern Ecbatana was a city of this character (i. 98, 99). Modern researches have discovered no signs of town walls at any of the old Persian or Median sites.

<sup>15</sup> Ecbatana yielded at once to Cyrus, to Alexander (Arrian, *Exp. Alex.* iii. 19), and to Antiochus the Great (Polyb. x. 27).

<sup>16</sup> Judith i. 2-4. According to this account the walls were built of hewn stones nine feet long, and four and a half broad. The height of the walls was 105 feet, the width 75 feet. The gates were of the same altitude as the walls; and the towers over the gates were carried to the height of 150 feet.

<sup>17</sup> See Strab. xi. 13, § 3; Plin. *H. N.* vi. 13; Ptol. *Geograph.* vi. 2; Am. Marc. xxiii. 6; Armen. *Geogr.* § 87, p. 364, &c. Another name of the city was Vera. (Strabo, l. s. c.)

been called Ecbatana, and to have been occasionally mistaken by the Greeks for the southern or real capital.<sup>18</sup> The description of Herodotus, which is irreconcilably at variance with the local features of the Hamadan site, accords sufficiently with the existing remains of a considerable city in the province of Azerbaijan; and it seems certainly to have been a city in these parts which was called by Moses of Choréné "the *second* Ecbatana, the seven-walled town."<sup>1</sup> The peculiarity of this place was its situation on and about a conical hill which sloped gently down from its summit to its base, and allowed of the interposition of seven circuits of wall between the plain and the hill's crest. At the top of the hill, within the innermost circle of the defences, were the Royal Palace and the treasuries; the sides of the hill were occupied solely by the fortifications; and at the base, outside the circuit of the outermost wall, were the domestic and other buildings which constituted the town. According to the information received by Herodotus, the battlements which crowned the walls were variously coloured. Those of the outer circle were white, of the next black, of the third scarlet, of the fourth blue, of the fifth orange, of the sixth silver, and of the seventh gold.<sup>2</sup> A pleasing or at any rate a striking effect was thus produced — the citadel, which towered above the town, presenting to the eye seven distinct rows of colours.<sup>3</sup>

If there was really a northern as well as a southern Ecbatana,<sup>4</sup> and if the account of Herodotus, which cannot possibly

<sup>18</sup> See the paper of Sir H. Rawlinson, "On the Site of the Atropatenian Ecbatana," in the tenth volume of the *Journal of the Geographical Society*, pp. 65-158.

<sup>1</sup> Mos. Chor. *Hist. Armen.* ii. 84.

<sup>2</sup> Herod. i. 98.

<sup>3</sup> This whole description has no doubt a somewhat mythical air; and the plating of the battlements with the precious metals seems to the modern reader peculiarly improbable. But the people who roofed their palaces with silver tiles, and coated all the internal wood-work either with plates of silver or of gold, may have been wealthy enough and lavish enough to make even such a display as Herodotus describes.

There is reason to believe that in Babylonia at least one temple was ornamented almost exactly as the citadel of Ecbatana is declared to have been by Herodotus. (See the author's *Herodotus*, vol. ii. p. 484, 2nd edition, and compare ch. vi. of the "Fourth Monarchy.")

<sup>4</sup> The view maintained by Sir H. Rawlinson in the paper already referred to (*supra*, note <sup>18</sup>), while in England it has been very generally accepted, has been combated on the Continent, more especially in France, where an elaborate reply to his article was published by M. Quatremère in the *Mémoires de l'Académie des Inscriptions et Belles-Lettres*, tom. xix. part i. p. 419 et seq. It must be admitted that the

apply to the southern capital, may be regarded as truly describing the great city of the north, we may with much probability fix the site of the northern town at the modern Takhti-Suleïman, in the upper valley of the Saruk, a tributary of the Jaghetu. Here alone in northern Media are there important ruins occupying such a position as that which Herodotus describes.<sup>5</sup> Near the head of a valley in which runs the main branch of the Saruk, at the edge of the hills which skirt it to the north, there stands a conical mound projecting into the vale and rising above its surface to the height of 150 feet. The geological formation of the mound is curious in the extreme.<sup>6</sup> It seems to owe its origin entirely to a small lake, the waters of which are so strongly impregnated with calcareous matter, that wherever they overflow they rapidly form a deposit which is as hard and firm as natural rock. If the lake was originally on a level with the valley, it would soon have formed incrustations round its edge, which every casual or permanent overflow would have tended to raise; and thus, in the course of ages, the entire hill may have been formed by a mere accumulation of petrefactions.<sup>7</sup> The formation would progress more or less rapidly according to the tendency of the lake to overflow its bounds; which tendency must have been strong until the water reached its present natural level — the level, probably, of some other sheet of water in the hills, with which it is connected by an underground syphon.<sup>8</sup> The lake, which is of an irregular shape, is about 300 paces in circumference. Its water,

only ancient writer who distinctly recognises two Median Ecbatanas is the Armenian historian above quoted. (See above, p. 269, note 1.)

<sup>5</sup> The ruins at Kileh Zohak, described by Colonel Menteith in such glowing terms (*Journal of the Geographical Society*, vol. iii. pp. 4, 5), are in reality quite insignificant.

<sup>6</sup> The best description of the Takhti-Suleïman ruins will be found in the *Geographical Journal*, vol. x. pp. 48-53. Sir R. K. Porter is both less complete and less exact. (*Travels*, vol. ii. pp. 558-561.)

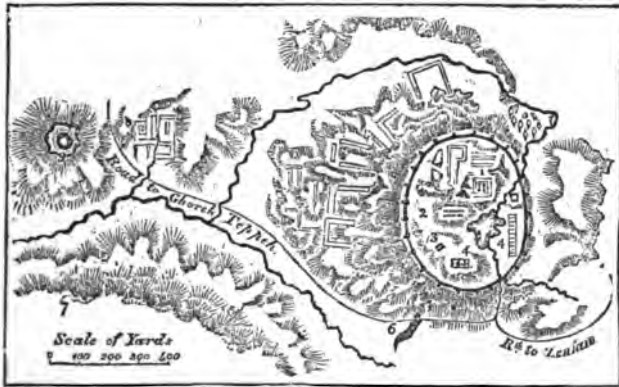
<sup>7</sup> This theory was first broached by

Ker Porter. Later travellers agree with him.

<sup>8</sup> One of the peculiarities of the lake is, that whatever the quantity of water drawn off from it for purposes of irrigation by the neighbouring tribes, it always remains at the same level. Sir H. Rawlinson thus explains the phenomenon: "I conclude," he says, "the lake to be connected by an underground syphon with some other great fountain in the interior of the adjacent mountains, which is precisely at the same level as itself, and which has other means of outlet." (*Geographical Journal*, vol. x. p. 48.)

notwithstanding the quantity of mineral matter held in solution, is exquisitely clear, and not unpleasing to the taste.<sup>9</sup> Formerly it was believed by the natives to be unfathomable; but experiments made in 1837 showed the depth to be no more than 156 feet.

The ruins which at present occupy this remarkable site consist of a strong wall, guarded by numerous bastions and pierced by four gateways, which runs round the brow of the hill in a slightly irregular ellipse, of some interesting remains



Plan of Takht-i-Suleiman (perhaps the Northern Ecbatana).

of buildings within this walled space, and of a few insignificant traces of inferior edifices on the slope between the plain and the summit. As it is not thought that any of these remains are of a date anterior to the Sassanian kingdom,<sup>10</sup> no description will be given of them here. We are only concerned with the Median city, and that has entirely disappeared. Of the seven walls, one alone is to be traced;<sup>11</sup> and even here the Median structure has perished, and been replaced by masonry of a far later age. Excavations may hereafter bring to light

<sup>9</sup> *Geographical Journal*, vol. x. p. 50; Ker Porter, vol. ii. p. 558.

<sup>10</sup> *Geograph. Journal*, vol. x. p. 51.

<sup>11</sup> In its present condition the hill could not receive seven complete circular walls, from the fact that towards the east it abuts upon the edge of the hilly

country, and is consequently on that side only a little elevated above the adjacent ground. But as the water has now for some time been drawn off on this side, the hill has probably grown in this direction.

some remnants of the original town, but at present research has done no more than recover for us a forgotten site.

The Median city next in importance to the two Ecbatanas was Raga or Rhages, near the Caspian Gates, almost at the extreme eastern limits of the territory possessed by the Medes.

The great antiquity of this place is marked by its occurrence in the Zendavesta among the primitive settlements of the Arians.<sup>1</sup> Its celebrity during the time of the Empire is indicated by the position which it occupies in the romances of Tobit<sup>2</sup> and Judith.<sup>3</sup> It maintained its rank under the Persians, and is mentioned by Darius Hystaspis as the scene of the struggle which terminated the great Median revolt.<sup>4</sup> The last Darius seems to have sent thither his heavy baggage and the ladies of his court,<sup>5</sup> when he resolved to quit Ecbatana and fly eastward. It has been already noticed that Rhages gave name to a district;<sup>6</sup> and this district may be certainly identified with the long narrow tract of fertile territory intervening between the Elburz mountain-range and the desert,<sup>7</sup> from about Kasvin to Khaar, or from long. 50° to 52° 30'. The exact site of the city of Rhages within this territory is somewhat doubtful. All accounts place it near the eastern extremity; and as there are in this direction ruins of a town called Rhei or Rhey, it has been usual to assume that they positively fix the locality.<sup>8</sup> But

<sup>1</sup> Rhages occurs as *Ragha* in the first Fargard of the Vendidad. It is the twelfth settlement, and one in which the faithful were intermingled with unbelievers. (Haug in Bunsen's *Egypt*, vol. iii. p. 490, E. T.)

<sup>2</sup> Tobit i. 14; iv. 1; ix. 1; &c.

<sup>3</sup> Judith i. 5 and 15.

<sup>4</sup> *Behistun Inscription*, col. ii. par. 13.

<sup>5</sup> Arrian, *Exp. Alex.* iii. 19. Arrian only mentions the Caspian Gates; but there can be little doubt that Rhages was the place where they were to await Darius. Compare ch. 20.

<sup>6</sup> Rhagiana occurs as a district in Isidore (*Mans. Parth.* p. 6) as well as in Ptolemy. In the former the MSS. have Rhatiana (PATIANH for PATIANH), which Hudson perversely transforms into Matiana, a district lying exactly in the opposite direction. Strabo points to

Rhagiana in his expression, τὰ περὶ τὰς Ῥάγας καὶ τὰς Κασπίους πύλας (xi. 13, § 7). Diodorus calls it an eparchy—τὴν ἐπαρχίαν τὴν προσαγορευομένην Ῥάγας (xix. 44, § 5).

<sup>7</sup> See especially Isidore, l. s. c.; and compare C. Müller's Map to illustrate this author (*Tab. in Geographos Minores*, No. 10). C. Müller makes the boundary westward the Karaghan hills, thus extending Rhagiana half a degree to the west of Kasvin. He greatly exaggerates the rivers of the region.

<sup>8</sup> Fraser, *Khorasan*, p. 286; Morier, *Second Journey*, p. 365; Ouseley, *Travels*, vol. iii. p. 174; Ker Porter, *Travels*, vol. i. p. 357; Heeren, *Asiatic Nations*, vol. i. p. 233, E. T.; Ritter, *Erdkunde*, vol. viii. pp. 595-604; Winer, *Realsörterbuch*, ad voc.; C. Müller, *Tabulæ*, l. s. c. *Geographical Journ.* vol. xxxi. p. 38.

similarity, or even identity, of name is an insufficient proof of a site;<sup>9</sup> and, in the present instance, there are grounds for placing Rhages very much nearer to the Caspian Gates than the position of Rhei. Arrian, whose accuracy is notorious, distinctly states that from the Gates to Rhages was only a single day's march, and that Alexander accomplished the distance in that time.<sup>10</sup> Now from Rhei to the Girduni Surdurrah pass, which undoubtedly represents the Pylæ Caspiæ of Arrian,<sup>11</sup> is at least fifty miles, a distance which no army could accomplish in less time than two days.<sup>12</sup> Rhages consequently must have been considerably to the east of Rhei, about half-way between it and the celebrated pass which it was considered to guard. Its probable position is the modern Kaleh Erij, near Veramin, about 23 miles from the commencement of the Surdurrah pass, where there are considerable remains of an ancient town.<sup>13</sup>

In the same neighbourhood with Rhages, but closer to the Straits, perhaps on the site now occupied by the ruins known as Uewanukif, or possibly even nearer to the foot of the pass,<sup>14</sup> was the Median city of Charax, a place not to be confounded with the more celebrated city called Charax Spasini, the birth-place of Dionysius the geographer, which was on the Persian Gulf, at the mouth of the Tigris.<sup>15</sup>

<sup>9</sup> Names travel. The modern Marathon is more than three miles from the ancient site. New Ilium was still further (six miles) from old Troy. The shores of the Black Sea have witnessed still more violent changes. The ancient Eupatoria was at Inkerman; the modern is 50 miles to the northward. Cherson (or Chersonesus) was at the mouth of the Sebastopol inlet; it is now on the Borysthenes or Dnieper. Odessus was at Varna; Odessa is three degrees to the north-east.

<sup>10</sup> *Exp. Alex.* iii. 20.

<sup>11</sup> This point is well argued by Mr. Fraser (*Khorasan*, pp. 291-293, note), whose conclusion seems to be now generally adopted. Pliny's Pylæ Caspiæ, on the other hand (*H. N.* vi. 14), would appear to be the Girduni Siyaluk, another pass over the same spur, situated three or four miles further north, at the point where the spur branches out from the

main chain. This pass is one of a tremendous character. It is a gap five miles long between precipices 1000 feet high, scarped as though by the hand of man, its width varying from ten to forty feet. (Sir H. Rawlinson, MS. notes.)

<sup>12</sup> Alexander's marches seem to have averaged 190 stades, or about 22 miles. The ordinary Roman march was 20 Roman miles, equivalent to 18½ English miles.

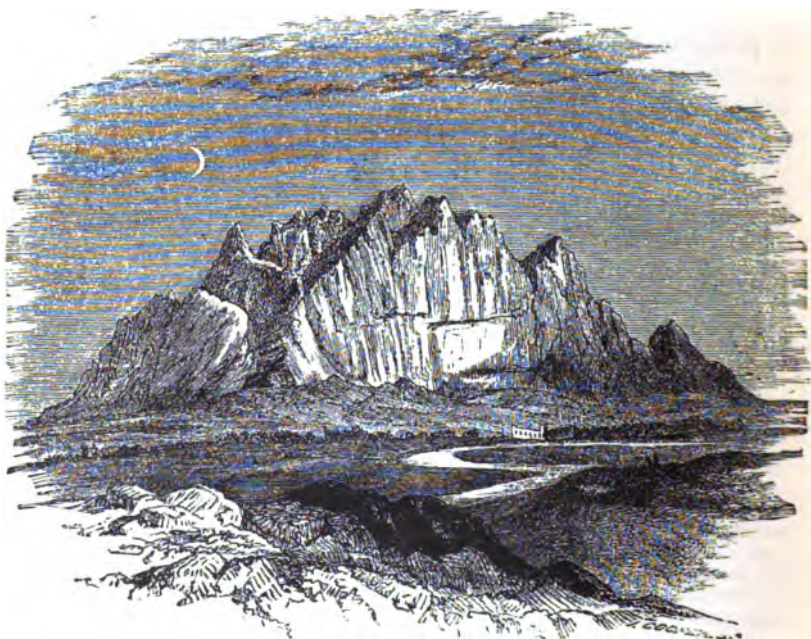
<sup>13</sup> Sir H. Rawlinson, MS. notes. In Erij we have probably a corruption of *Rhag-es*.

<sup>14</sup> Uewanukif is six or seven miles from the commencement of the pass (Fraser, p. 291). Isidore places Charax directly under the hill. (ὡς τὸ ὄρος ὃ καλεῖται Κάσπιος, ἀφ' οὗ αἱ Κασπίαι πύλαι, p. 6.)

<sup>15</sup> Plin. *H. N.* iv. 27, ad fin.; Ptol. *Geograph.* vi. 3; Steph. Byz. ad voc. *Χάραξ*. Hudson's identification of Cha-

The other Median cities, whose position can be determined with an approach to certainty, were in the western portion of the country, in the range of Zagros, or in the fertile tract between that range and the desert. The most important of these are Bagistan, Adrapan, Concobar, and Aspadan.

Bagistan is described by Isidore<sup>16</sup> as "a city situated on a hill, where there was a pillar and a statue of Semiramis." Diodorus has an account of the arrival of Semiramis at the place, of her establishing a royal park or paradise in the plain below the mountain, which was watered by an abundant spring,



View of the Rock of Behistun.

of her smoothing the face of the rock where it descended precipitously upon the low ground, and of her carving on the surface thus obtained her own effigy, with an inscription in

rax Spasini with Anthemusias or Charax Sidæ (Isid. *Mans. Parth.* p. 2) is a strange error.

<sup>16</sup> *Mans. Parth.* p. 6. Βάστανα (leg.

Βάστανα) πόλις ἐπ' ὄρος κειμένη, ἐνθ' Ἑμιράμιδος ἀγαλμα καὶ στήλη. Compare with Βάστανα the modern Bostan and Behistun.

Assyrian characters.<sup>17</sup> The position assigned to Bagistan by both writers, and the description of Diodorus,<sup>18</sup> identify the place beyond a doubt with the now famous Behistun, where the plain, the fountain, the precipitous rock, and the scarped surface are still to be seen,<sup>19</sup> though the supposed figure of Semiramis, her pillar, and her inscription have disappeared.<sup>20</sup> This remarkable spot, lying on the direct route between Babylon and Ecbatana, and presenting the unusual combination of a copious fountain, a rich plain, and a rock suitable for sculptures, must have early attracted the attention of the great monarchs who marched their armies through the Zagros range, as a place where they might conveniently set up memorials of their exploits. The works of this kind ascribed by the ancient writers to Semiramis were probably either Assyrian or Babylonian, and (it is most likely) resembled the ordinary monuments which the kings of Babylon and Nineveh delighted to erect in countries newly conquered.<sup>21</sup> The example set by the Mesopotamians was followed by their Arian neighbours, when the supremacy passed into their hands; and the famous mountain, invested by them with a sacred character,<sup>22</sup> was made to subserve and perpetuate their glory by receiving sculptures and inscriptions<sup>1</sup> which showed them to have become the lords of Asia. The practice did not even stop here. When the Parthian kingdom of the Arsacidæ had established itself in these parts at the expense of the Seleucidæ, the rock was once more called upon to commemorate the warlike triumphs of a new race. Gotarzes, the contemporary of the Emperor Claudius, after defeating his rival Meherdates in the plain between

<sup>17</sup> Diod. Sic. ii. 13, §§ 1-2.

<sup>18</sup> Diodorus, as usual, greatly exaggerates the height of the mountain, which he estimates at seventeen stades, or above 10,000 feet, whereas it is really about 1700 feet. (*Journal of Asiatic Society*, vol. x. p. 187.)

<sup>19</sup> Ker Porter, *Travels*, vol. ii. pp. 150, 151; Sir H. Rawlinson, in *Journal of the Geographical Society*, vol. ix. pp. 112, 113.

<sup>20</sup> They were perhaps destroyed by Choaroe Parviz, when he prepared to build a palace on the site. (*Ibid.* p. 114.)

<sup>21</sup> See vol. i. p. 484; vol. ii. pp. 97, 216, &c.

<sup>22</sup> Bagistan is "the hill of Jove" (Διὸς ἵκος), according to Diodorus (ii. 13, § 1). It seems to mean really "the place of God." We may thus compare the name with the "Bethel" of the Hebrews.

<sup>1</sup> The tablet and inscriptions of Darius, which have made Behistun famous in modern times, are in a recess to the right of the scarped face of the rock, and at a considerable elevation. (Ker Porter, vol. ii. p. 154.)



Behistun and Kermanshah, inscribed upon the mountain, which already bore the impress of the great monarchs of Assyria and Persia, a record of his recent victory.<sup>2</sup>

The name of Adrapan occurs only in Isidore,<sup>3</sup> who places it between Bagistan and Ecbatana, at the distance of twelve schoeni — 36 Roman or 34 British miles from the latter. It was, he says, the site of an ancient palace belonging to Ecbatana, which Tigranes the Armenian had destroyed. The name and situation sufficiently identify Adrapan with the modern village of Arteman,<sup>4</sup> which lies on the southern face of Elwend near its base, and is well adapted for a royal residence. Here, "during the severest winter, when Hamadan and the surrounding country are buried in snow, a warm and sunny climate is to be found; whilst in the summer a thousand rills descending from Elwend diffuse around fertility and fragrance."<sup>5</sup> Groves of trees grow up in rich luxuriance from the well-irrigated soil, whose thick foliage affords a welcome shelter from the heat of the noonday sun. The climate, the gardens, and the manifold blessings of the place are proverbial throughout Persia; and naturally caused the choice of the site for a retired palace, to which the court of Ecbatana might adjourn when either the summer heat and dust or the winter cold made residence in the capital irksome.

In the neighbourhood of Adrapan, on the road leading to Bagistan, stood Concobar,<sup>6</sup> which is undoubtedly the modern Kungawar, and perhaps the Chavon of Diodorus.<sup>7</sup> Here, according to the Sicilian historian, Semiramis built a palace and laid out a paradise; and here, in the time of Isidore, was a famous temple of Artemis. Colossal ruins crown the summit of the acclivity on which the town of Kungawar stands,<sup>8</sup> which

<sup>2</sup> The inscription, which is in the Greek character and language, is much mutilated; but the name of Gotarzes (ΓΟΤΑΡΖΗΣ) appears twice in it. His rival, Meherdates, is perhaps mentioned under the name of Mithrates. (Sir H. Rawlinson, in *Geograph. Journ.* vol. ix. pp. 114–116.)

<sup>3</sup> *Mans. Parth.* p. 6. The true reading seems to be 'Αδραπάναν, as edited by Höschele.

<sup>4</sup> Arteman is one of three villages — Toosee, Sirkan, and Arteman — which lie close together, and are generally known under the common title of Toosirkan. (Sir H. Rawlinson, MS. notes.)

<sup>5</sup> *Ibid.*

<sup>6</sup> Isidore, *Mans. Parth.* l. s. c.

<sup>7</sup> Diod. Sic. ii. 13, § 3.

<sup>8</sup> Ker Porter, *Travels*, vol. ii. pp. 141, 142; Ollivier, *Voyage dans l'Empire ottoman*, tom. v. pp. 47, 48.

may be the remains of this latter building; but no trace has been found that can be regarded as either Median or Assyrian.

The Median town of Aspadan, which is mentioned by no writer but Ptolemy,<sup>9</sup> would scarcely deserve notice here, if it were not for its modern celebrity. Aspadan, corrupted into Isfahan, became the capital of Persia under the Sefi kings, who rendered it one of the most magnificent cities of Asia. It is uncertain whether it existed at all in the time of the great Median empire. If so, it was, at best, an outlying town of little consequence on the extreme southern confines of the territory, where it abutted upon Persia proper.<sup>10</sup> The district wherein it lay was inhabited by the Median tribe of the Parætaceni.<sup>11</sup>

Upon the whole it must be allowed that the towns of Media were few and of no great account. The Medes did not love to congregate in large cities, but preferred to scatter themselves in villages over their broad and varied territory. The protection of walls, necessary for the inhabitants of the low Mesopotamian regions, was not required by a people whose country was full of natural fastnesses to which they could readily remove on the approach of danger. Excepting the capital and the two important cities of Gazaca and Rhages, the Median towns were insignificant. Even those cities themselves were probably of moderate dimensions, and had little of the architectural splendour which gives so peculiar an interest to the towns of Mesopotamia. Their principal buildings were in a frail and perishable material,<sup>12</sup> unsuited to bear the ravages of time; they have consequently altogether disappeared, and in the whole of Media modern researches have failed to bring to light a single edifice which can be assigned with any show of probability to the period of the Empire.

The plan adopted in former portions of this work<sup>13</sup> makes it necessary, before concluding this chapter, to glance briefly at the character of the various countries and districts by which

<sup>9</sup> *Geograph.* vi. 4.

<sup>10</sup> See above, p. 254. It is strange that so acute a writer as the late Archdeacon Williams should not have seen that this position was fatal to his theory, that Isfahan represented Ecbatana.

<sup>11</sup> The Parætaceni had another city, called Parætaca, the site of which is uncertain. (*Steph. Byz. ad voc.*)

<sup>12</sup> See above, p. 265.

<sup>13</sup> See vol. i. pp. 25 and 206.

Media was bordered — the Caspian district upon the north, Armenia upon the north-west, the Zagros region and Assyria upon the west, Persia proper upon the south, and upon the east Sagartia and Parthia.

North and north-east of the mountain range which under different names skirts the southern shores of the Caspian Sea and curves round its south-western corner, lies a narrow but important strip of territory — the modern Ghilan and Mazanderan. This is a most fertile region, well watered and richly



View in Mazanderan — the Caspian Sea in the distance.

wooded, and forms one of the most valuable portions of the modern kingdom of Persia. At first it is a low flat tract of deep alluvial soil, but little raised above the level of the Caspian; gradually however it rises into swelling hills which form the supports of the high mountains that shut in this sheltered region, a region only to be reached by a very few passes over

or through them.<sup>14</sup> The mountains are clothed on this side nearly to their summit with dwarf oaks, or with shrubs and brushwood: while, lower down, their flanks are covered with forests of elms, cedars, chestnuts, beeches, and cypress trees. The gardens and orchards of the natives are of the most superb character; the vegetation is luxuriant; lemons, oranges, peaches, pomegranates, besides other fruits, abound; rice, hemp, sugar-canes, mulberries are cultivated with success; vines grow wild; and the valleys are strewn with flowers of rare fragrance, among which may be noted the rose, the honeysuckle, and the sweetbrier.<sup>1</sup> Nature, however, with her usual justice, has balanced these extraordinary advantages with peculiar drawbacks; the tiger, unknown in any other part of Western Asia,<sup>2</sup> here lurks in the thickets, ready to spring at any moment on the unwary traveller; inundations are frequent, and carry desolation far and wide; the waters, which thus escape from the river beds, stagnate in marshes, and during the summer and autumn heats pestilential exhalations arise, which destroy the stranger, and bring even the acclimatised native to the brink of the grave.<sup>3</sup> The Persian monarch chooses the southern rather than the northern side of the mountains for the site of his capital, preferring the keen winter cold and dry summer heat of the high and almost waterless plateau to the damp and stifling air of the low Caspian region.

The narrow tract of which this is a description can at no time have sheltered a very numerous or powerful people. During the Median period, and for many ages afterwards, it seems to have been inhabited by various petty tribes of predatory habits — Cadusians, Mardi, Tapyri, &c., — who passed

<sup>14</sup> The mountains are pierced by the two streams of the Aras and the Kizil Uzen or Sefid Rud, and the low country may be entered along their courses. There is a pass over the Elburz chain from *Firuz-kuh* to *Puli-sefid*, 80 or 90 miles to the east of Teheran. This would seem to be the "Pylæ Caspiæ" of Dionysius (*Perieg.* 1035-1038).

<sup>1</sup> The authorities for this description are Kinneir, *Persian Empire*, pp. 159-

163; Ouseley, *Travels*, vol. iii. pp. 221-336; Fraser, *Khorasan*, p. 166; Chesney, *Euphrates Expedition*, vol. i. pp. 216, 217; Todd, in *Journal of Geographical Society*, vol. viii. pp. 102-104.

<sup>2</sup> Tigers sometimes stray from this region into Azerbaijan. (See Morier, *Second Journey*, p. 218.)

<sup>3</sup> Kinneir, p. 166; Chesney, vol. i. p. 216; Fraser, *Travels near the Caspian Sea*, p. 11.

their time in petty quarrels among themselves, and in plundering raids upon their great southern neighbour.<sup>4</sup> Of these tribes the Cadusians alone enjoyed any considerable reputation. They were celebrated for their skill with the javelin<sup>5</sup>—a skill probably represented by the modern Persian use of the *djereed*. According to Diodorus, they were engaged in frequent wars with the Median kings, and were able to bring into the field a force of 200,000 men!<sup>6</sup> Under the Persians they seem to have been considered good soldiers,<sup>7</sup> and to have sometimes made a struggle for independence.<sup>8</sup> But there is no real reason to believe that they were of such strength as to have formed at any time a danger to the Median kingdom, to which it is more probable that they generally acknowledged a qualified subjection.

The great country of Armenia, which lay north-west and partly north of Media, has been generally described in the first volume;<sup>9</sup> but a few words will be here added with respect to the more eastern portion, which immediately bordered upon the Median territory. This consisted of two outlying districts, separated from the rest of the country, the triangular basin of Lake Van, and the tract between the Kur and Aras rivers—the modern Karabagh and Erivan. The basin of Lake Van, surrounded by high ranges, and forming the very heart of the mountain system of this part of Asia, is an isolated region, a sort of natural citadel, where a strong military power would be likely to establish itself. Accordingly it is here, and here alone in all Armenia, that we find signs of the existence, during the Assyrian and Median periods, of a great organised monarchy. The Van inscriptions indicate to us a line of kings who bore sway in the eastern Armenia—the true Ararat,—and who were both in civilisation and in military strength far in advance of any of the other princes who divided among them the Armenian territory. The Van monarchs may have been at times formid-

<sup>4</sup> Strab. xi. 13, § 3; Diod. Sic. ii. 33, § 4.

<sup>5</sup> Strab. xi. 13, § 4. 'Ακοντιστῆς εἰς τὴν ἄριστον.

<sup>6</sup> Diod. Sic. xv. 33, §§ 3 and 6.

<sup>7</sup> After the battle of Arbela, Darius

hoped to retrieve his fortunes by means of a fresh army of Cadusians and Saccæ. (Arrian, *Exp. Alex.* iii. 19.)

<sup>8</sup> Diod. Sic. xv. 8, § 4; xvii. 6, § 1.

<sup>9</sup> See pp. 207, 208.

able enemies of the Medes. They have left traces of their dominion, not only on the tops of the mountain passes<sup>10</sup> which lead into the basin of Lake Urumiyeh, but even in the comparatively low plain of Miyandab on the southern shore of that inland sea.<sup>11</sup> It is probable from this that they were at one time masters of a large portion of Media Atropaténé; and the very name of Urumiyeh, which still attaches to the lake, may have been given to it from one of their tribes.<sup>12</sup> In the tract between the Kur and Aras, on the other hand, there is no sign of the early existence of any formidable power. Here the mountains are comparatively low, the soil is fertile, and the climate temperate.<sup>13</sup> The character of the region would lead its inhabitants to cultivate the arts of peace rather than those of war, and would thus tend to prevent them from being formidable or troublesome to their neighbours.

The Zagros region, which in the more ancient times separated between Media and Assyria, being inhabited by a number of independent tribes, but which was ultimately absorbed into the more powerful country, requires no notice here, having been sufficiently described among the tracts by which Assyria was bordered.<sup>14</sup> At first a serviceable shield to the weak Arian tribes which were establishing themselves along its eastern base upon the high plateau, it gradually passed into their possession as they increased in strength, and ultimately became a main nursery of their power, furnishing to their armies vast numbers both of men and horses. The great horse pastures, from which the Medes first, and the Persians afterwards, supplied their numerous and excellent cavalry, were in this quarter;<sup>15</sup> and the troops which it furnished — hardy mountaineers accustomed to brave the severity of a most rigorous climate — must have been among the most effective of the Median forces.<sup>16</sup>

<sup>10</sup> *Journal of the Geographical Society*, vol. x. pp. 21, 22; compare above, vol. i. p. 553.

<sup>11</sup> *Geographical Journal*, vol. x. p. 12.

<sup>12</sup> The Urumi are coupled with the Nairi in an inscription of Aashur-izir-pal; and the Van monarchs always call themselves "kings of the Nairi."

<sup>13</sup> Morier, *Second Journey*, p. 245; Ker Porter, *Travels*, vol. i. pp. 192-194.

<sup>14</sup> See vol. i. pp. 206, 207.

<sup>15</sup> *Supra*, p. 261.

<sup>16</sup> On the known superiority of mountain troops in ancient times see Herod. ix. 122, and compare Plat. *Lég.* iii. p. 696, A.

On the south Media was bounded by Persia proper — a tract which corresponded nearly with the modern province of Faristan. The complete description of this territory, the original seat of the Persian nation, belongs to a future volume of this work, which will contain an account of the "Fifth Monarchy." For the present it is sufficient to observe that the Persian territory was for the most part a highland, very similar to Media, from which it was divided by no strongly marked line or natural boundary. The Persian mountains are a continuation of the Zagros chain, and Northern Persia is a portion — the southern portion — of the same great plateau, whose western and north-western skirts formed the great mass of the Median territory. Thus upon this side Media was placed in the closest connection with an important country, a country similar in character to her own, where a hardy race was likely to grow up, with which she might expect to have difficult contests.

Finally, towards the east lay the great salt desert, sparsely inhabited by various nomadic races, among which the most important were the Cossæans and the Sagartians. To the latter people Herodotus seems to assign almost the whole of the sandy region, since he unites them with the Sarangians and Thamanæans on the one hand, with the Utians and Mycians upon the other.<sup>1</sup> They were a wild race, probably of Arian origin,<sup>2</sup> who hunted with the *lasso* over the great desert mounted on horses,<sup>3</sup> and could bring into the field a force of eight or ten thousand men.<sup>4</sup> Their country, a waste of sand and gravel, in parts thickly encrusted with salt, was impassable to an army, and formed a barrier which effectively protected Media along the greater portion of her eastern frontier. Towards the extreme north-east the Sagartians were replaced by the Cossæans and the

<sup>1</sup> Herod. iii. 93. The Sarangians dwelt about the lake in which the Hel-mend ends; the Thamanæans between that lake and Herat. The Utians (Uxians) inhabited a part of the Zagros range; the Mycians seem to have dwelt on the Persian Gulf, in a part of the modern *Mek-ran*.

<sup>2</sup> See the author's *Herodotus*, vol. iv.

p. 172, and compare vol. i. p. 554 (2nd edition).

<sup>3</sup> We can only account for carrying the *lasso* into battle (Herod. vii. 85) by regarding it as the weapon with which daily use had made them familiar.

<sup>4</sup> They furnished 8000 horsemen to the army of Xerxes (Herod. i. s. c.), which was probably not their full force.

Parthians, the former probably the people of the Siah-Koh mountain,<sup>5</sup> the latter the inhabitants of the tract known now as the *Atak*,<sup>6</sup> or "Skirt," which extends along the southern flank of the Elburz range from the Caspian Gates nearly to Herat, and is capable of sustaining a very considerable population. The Cossæans were plunderers,<sup>7</sup> from whose raids Media suffered constant annoyance; but they were at no time of sufficient strength to cause any serious fear. The Parthians, as we learn from the course of events, had in them the materials of a mighty people; but the hour for their elevation and expansion was not yet come, and the keenest observer of Median times could scarcely have perceived in them the future lords of Western Asia. From Parthia, moreover, Media was divided by the strong rocky spur<sup>8</sup> which runs out from the Elburz into the desert in long. 52° 10' nearly, over which is the narrow pass already mentioned as the Caspian Gates.<sup>9</sup> Thus Media on most sides was guarded by the strong natural barriers of seas,<sup>10</sup> mountains, and deserts lying open only on the south, where she adjoined upon a kindred people. Her neighbours were for the most part weak in numbers, though warlike. Armenia, however, to the north-west, Assyria to the west, and Persia to the south, were all more or less formidable. A prescient eye might have foreseen that the great struggles of Media would be with these powers, and that if she attained imperial proportions it must be by their subjugation or absorption.

<sup>5</sup> Cossæans is explained by some as *Koh-Stians*, inhabitants of the *Koh-Siah*, or *Siah-Koh*, a remarkable isolated mountain in the salt desert, nearly due south of the Caspian Gates.

<sup>6</sup> Fraser, *Khorasan*, p. 245.

<sup>7</sup> Ἀγοστροκοί. Strab. xi. 13, § 6.

<sup>8</sup> A good description of this spur and of the true character of the "Caspian

Gates" is given by Mr. Fraser in his *Khorasan*, pp. 291-293, note. The reader may compare the author's article on Rhages in Dr. Smith's *Biblical Dictionary*, vol. ii. p. 990.

<sup>9</sup> See above, p. 273.

<sup>10</sup> The Caspian Sea was a great protection from the barbarians of the North.



## CHAPTER II.

## CLIMATE AND PRODUCTIONS.

Ἡ πολλὴ μὲν ὑψηλὴ ἐστὶ καὶ ψυχρά· ἡ δ' ἐν ταπεινοῖς ἐδάφεσι καὶ κοίλοις ὄρεσιν εὐδαίμων σφόδρα ἐστὶ καὶ πᾶμφoros.—STRAB. XI. 13.

MEDIA, like Assyria, is a country of such extent and variety, that, in order to give a correct description of its climate, we must divide it into regions. Azerbaijan, or Atropatêné, the most northern portion, has a climate altogether cooler than the rest of Media; while in the more southern division of the country there is a marked difference between the climate of the east and of the west, of the tracts lying on the high plateau and skirting the Great Salt Desert, and of those contained within or closely abutting upon the Zagros mountain range. The difference here is due to the difference of physical conformation, which is as great as possible, the broad mountainous plains about Kasvin, Koum, and Kashan, divided from each other by low rocky ridges, offering the strongest conceivable contrast to the perpetual alternations of mountain and valley, precipitous height and deep wooded glen, which compose the greater part of the Zagros region.

The climate of Azerbaijan is temperate and pleasant, though perhaps somewhat overwarm,<sup>1</sup> in summer; while in winter it is bitterly severe, colder than that of almost any other region in the same latitude.<sup>2</sup> This extreme rigour seems to be mainly owing to elevation, the very valleys and valley plains of the tract being at a height of from 4000 to 5000 feet above the sea

<sup>1</sup> Morier complains of the "oppressive heat of the low countries" in Azerbaijan during the summer (*Second Journey*, p. 295). He found the thermometer rise to 99½ degrees at Miana early in June. (*Ibid.* p. 208.)

<sup>2</sup> The latitude of Azerbaijan is that of

Bœotia, Corfu, Southern Italy, Sardinia, Southern Spain, the Azores, Washington, and San Francisco. It is also that of Balkh, Yarkand, and Diarbekr. These last-named places, and some others in the same latitude in Tartary and China, are perhaps as cold.

level. Frost commonly sets in towards the end of November, or at latest early in December; snow soon covers the ground to the depth of several feet; the thermometer falls below zero; the sun shines brightly except when from time to time fresh deposits of snow occur; but a keen and strong wind usually prevails, which is represented as "cutting like a sword,"<sup>3</sup> and being a very "assassin of life."<sup>4</sup> Deaths from cold are of daily occurrence;<sup>5</sup> and it is impossible to travel without the greatest risk. Whole companies or caravans occasionally perish beneath the drift, when the wind is violent, especially if a heavy fall happen to coincide with one of the frequent easterly gales. The severe weather commonly continues till March, when travelling becomes possible, but the snow remains on much of the ground till May, and on the mountains still longer.<sup>6</sup> The spring, which begins in April, is temperate and delightful; a sudden burst of vegetation succeeds to the long winter lethargy; the air is fresh and balmy, the sun pleasantly warm, the sky generally cloudless. In the month of May the heat increases — thunder hangs in the air — and the valleys are often close and sultry.<sup>7</sup> Frequent showers occur, and the hail-storms are sometimes so violent as to kill the cattle in the fields.<sup>8</sup> As the summer advances the heats increase, but the thermometer rarely reaches 90° in the shade, and except in the narrow valleys the air is never oppressive. The autumn is generally very fine. Foggy mornings are common; but they are succeeded by bright, pleasant days, without wind or rain.<sup>9</sup> On the whole the climate is pronounced healthy,<sup>10</sup> though somewhat trying to Europeans, who do not readily adapt themselves to a country where the range of the thermometer is as much as 90° or 100°.

<sup>3</sup> Ker Porter, *Travels*, vol. i. p. 257.

<sup>4</sup> *Ibid.* p. 260.

<sup>5</sup> *Ibid.* p. 247. "Scarcely a day passes," says the writer, "without one or two persons being found frozen to death in the neighbourhood of the town" (Tabriz).

<sup>6</sup> Fraser speaks of the winter in Azerbaijan as lasting six or seven months (*Winter Journey*, p. 332). Birds, he says, are often frozen to death (p. 341).

According to Kinneir (*Persian Empire*, p. 158), the snow remains on the mountains for nine months.

<sup>7</sup> Morier, *Second Journey*, p. 303.

<sup>8</sup> Kinneir, l. s. c. Compare Morier, *Second Journey*, p. 309.

<sup>9</sup> Morier, pp. 243, 297, &c.

<sup>10</sup> Kinneir, l. s. c.; Chesney, *Euphrates Expedition*, vol. i. p. 221; Morier, p. 230.

In the part of Media situated on the great plateau—the modern Irak Ajemi—in which are the important towns of Teheran, Isfahan, Hamadan, Kashan, Kasvin, and Koum, the climate is altogether warmer than in Azerbaijan, the summers being hotter, and the winters shorter and much less cold. Snow indeed covers the ground for about three months, from early in December till March; but the thermometer rarely shows more than ten or twelve degrees of frost, and death from cold is uncommon.<sup>11</sup> The spring sets in about the beginning of March, and is at first somewhat cool, owing to the prevalence of the *baude Caucasian* or north wind,<sup>12</sup> which blows from districts where the snow still lies. 'But after a little time the weather becomes delicious; the orchards are a mass of blossom; the rose gardens come into bloom; the cultivated lands are covered with springing crops; the desert itself wears a light livery of green. Every sense is gratified; the nightingale bursts out with a full gush of song; the air plays softly upon the cheek, and comes loaded with fragrance. Too soon, however, this charming time passes away, and the summer heats begin, in some places as early as June.<sup>13</sup> The thermometer at midday rises to 90 or 100 degrees. Hot gusts blow from the desert, sometimes with great violence. The atmosphere is described as choking;<sup>14</sup> and in parts of the plateau it is usual for the inhabitants to quit their towns almost in a body, and retire for several months into the mountains.<sup>15</sup> This extreme heat is, however, exceptional; in most parts of the plateau the summer warmth is tempered by cool breezes from the surrounding mountains, on which there is always a good deal of snow. At Hamadan, which, though on the plain, is close to the mountains, the thermometer seems scarcely ever to rise above 90°, and that degree of heat is attained only for a few hours in the day. The mornings and evenings are cool and refreshing; and

<sup>11</sup> An instance of death from cold in this region is recorded by Mr. Fraser (*Khorasan*, p. 144).

<sup>12</sup> Kinneir, p. 121; Ker Porter, vol. i. p. 291. According to the latter writer, this wind "continues to blow at intervals till the end of May."

<sup>13</sup> "The heats of Teheran," says Mr. Morier, "become insupportable by the middle of June." (*Second Journey*, p. 351.)

<sup>14</sup> *Ibid.* p. 358.

<sup>15</sup> This is especially the practice at Teheran. (Kinneir, p. 119; Morier, p. 351; Ollivier, *Voyage*, tom. v. p. 91.)

altogether the climate quite justifies the choice of the Persian monarchs, who selected Ecbatana for their place of residence during the hottest portion of the year.<sup>1</sup> Even at Isfahan, which is on the edge of the desert, the heat is neither extreme nor prolonged. The hot gusts which blow from the east and from the south raise the temperature at times nearly to a hundred degrees; but these oppressive winds alternate with cooler breezes from the west, often accompanied by rain; and the average highest temperature during the day in the hottest month, which is August, does not exceed 90°.

A peculiarity in the climate of the plateau which deserves to be noticed, is the extreme dryness of the atmosphere.<sup>2</sup> In summer the rains which fall are slight, and they are soon absorbed by the thirsty soil. There is a little dew at nights,<sup>3</sup> especially in the vicinity of the few streams; but it disappears with the first hour of sunshine, and the air is left without a particle of moisture. In winter the dryness is equally great; frost taking the place of heat, with the same effect upon the atmosphere. Unhealthy exhalations are thus avoided, and the salubrity of the climate is increased;<sup>4</sup> but the European will sometimes sigh for the soft, balmy airs of his own land, which have come flying over the sea, and seem to bring their wings still dank with the ocean spray.

Another peculiarity of this region, produced by the unequal rarefaction of the air over its different portions, is the occurrence, especially in spring and summer, of sudden gusts, hot or cold,<sup>5</sup> which blow with great violence. These gusts are sometimes accompanied with whirlwinds,<sup>6</sup> which sweep the country in different directions, carrying away with them leaves, branches,

<sup>1</sup> See Morier, *Second Journey*, p. 270. Compare Kinneir, *Persian Empire*, p. 126; Ker Porter, *Travels*, vol. ii. p. 121; Ollivier, *Voyage*, tom. v. p. 53. Ollivier says: "En été le climat est le plus doux, le plus tempéré de la Perse."

<sup>2</sup> Ker Porter, vol. i. p. 441; vol. ii. p. 123; Morier, p. 153; Ollivier, tom. v. pp. 199 and 209. The last-named writer mentions as a proof of the dryness, that during a long stay in the region he never saw a single snail!

Morier, however, notes that he saw several (p. 154, note).

<sup>3</sup> Morier, p. 154.

<sup>4</sup> On the salubrity of Isfahan, see Morier, p. 153; Ker Porter, vol. i. p. 407.

<sup>5</sup> See Morier, *Second Journey*, Appendix, pp. 406-408; Ouseley, vol. iii. pp. 110-112; and the passage quoted in the next note.

<sup>6</sup> Morier, *First Journey*, p. 174; *Second Journey*, p. 202; Ouseley, vol. iii. pp. 73 and 375.

stubble, sand, and other light substances, and causing great annoyance to the traveller. They occur chiefly in connection with a change of wind, and are no doubt consequent on the meeting of two opposite currents. Their violence, however, is moderate, compared with that of tropical tornados, and it is not often that they do any considerable damage to the crops over which they sweep.

One further characteristic of the flat region may be noticed. The intense heat of the summer sun striking on the dry sand or the saline efflorescence of the desert, throws the air over them into such a state of quivering undulation as produces the most wonderful and varying effects, distorting the forms of objects, and rendering the most familiar strange and hard to be recognised. A mud bank furrowed by the rain will exhibit the appearance of a magnificent city, with columns, domes, minarets, and pyramids; a few stunted bushes will be transformed into a forest of stately trees; a distant mountain will, in the space of a minute, assume first the appearance of a lofty peak, then swell out at the top, and resemble a mighty mushroom, next split into several parts, and finally settle down into a flat tableland.<sup>7</sup> Occasionally, though not very often, that semblance of water is produced<sup>8</sup> which Europeans are apt to suppose the usual effect of mirage. The images of objects are reflected at their base in an inverted position; the desert seems converted into a vast lake; and the thirsty traveller, advancing towards it, finds himself the victim of an illusion, which is none the less successful because he has been a thousand times forewarned of its deceptive power.

In the mountain range of Zagros and the tracts adjacent to it, the climate, owing to the great differences of elevation, is more varied than in the other parts of the ancient Media. Severe cold<sup>9</sup> prevails in the higher mountain regions for seven months out of the twelve, while during the remaining five the heat is never more than moderate.<sup>10</sup> In the low valleys, on the con-

<sup>7</sup> Fraser, *Khorasan*, p. 165, note.

<sup>8</sup> Morier, *Second Journey*, p. 282.

<sup>9</sup> Chesney, *Euphrates Expedition*, vol.

i. p. 80; Kinneir, p. 144; *Journal of the Geographical Society*, vol. x. pp. 20-22.

<sup>10</sup> Chesney, l. s. c. In Ardalan, which

trary, and in other favoured situations,<sup>11</sup> the winters are often milder than on the plateau; while in the summers, if the heat is not greater, at any rate it is more oppressive. Owing to the abundance of the streams and the proximity of the melting snows, the air is moist; and the damp heat, which stagnates in the valleys, breeds fever and ague.<sup>12</sup> Between these extremes of climate and elevation, every variety, is to be found; and, except in winter, a few hours' journey will almost always bring the traveller into a temperate region.

In respect of natural productiveness, Media (as already observed)<sup>13</sup> differs exceedingly in different, and even in adjacent, districts. The rocky ridges of the great plateau, destitute of all vegetable mould, are wholly bare and arid, admitting not the slightest degree of cultivation. Many of the mountains of Azerbaijan, naked, rigid, and furrowed,<sup>14</sup> may compare even with these desert ranges for sterility. The higher parts of Zagros and Elburz are sometimes of the same character; but more often they are thickly clothed with forests, affording excellent timber and other valuable commodities. In the Elburz, pines are found near the summit,<sup>15</sup> while lower down there occur, first the wild almond and the dwarf oak, and then the usual timber-trees of the country, the Oriental plane, the willow, the poplar, and the walnut.<sup>16</sup> The walnut grows to a large size both here and in Azerbaijan, but the poplar is the wood most commonly 'used' for building purposes.<sup>17</sup> In Zagros, besides most of these trees, the ash and the terebinth or turpentine-tree are common; the oak bears gall-nuts of a large size; and the gum-tragacanth plant frequently clothes the mountain-sides.<sup>18</sup> The valleys of this region are full of magnificent orchards, as are the low grounds and more sheltered nooks of Azerbaijan. The fruit-trees

is much lower than many parts of the range, Morier found the air quite "cool" in June (*Second Journey*, p. 272). Kinnear notes that in the same region there was frost in July, 1810 (*Persian Empire*, p. 144).

<sup>11</sup> As at Toosirkhan (supra, p. 276, note \*).

<sup>12</sup> See Layard, *Nineveh and its Remains*, vol. i. pp. 159-165.

<sup>13</sup> See above, pp. 255, 256.

<sup>14</sup> Fraser, *Winter Journey*, p. 353.

<sup>15</sup> Morier, *Second Journey*, p. 362.

<sup>16</sup> Ibid. l. s. c.; and see also p. 354.

<sup>17</sup> Morier, *First Journey*, pp. 274 and 277; *Second Journey*, p. 262. The wood of the plane is preferred for furniture.

<sup>18</sup> Ollivier, tom. v. p. 59; Chesney, vol. i. p. 123.

comprise, besides vines and mulberries, the apple, the pear, the quince, the plum, the cherry, the almond, the nut, the chestnut, the olive, the peach, the nectarine, and the apricot.<sup>19</sup>

On the plains of the high plateau there is a great scarcity of vegetation. Trees of a large size grow only in the few places which are well watered, as in the neighbourhood of Hamadan, Isfahan, and in a less degree of Kashan.<sup>20</sup> The principal tree is the Oriental plane, which flourishes together with poplars and willows along the watercourses; cypresses also grow freely; elms and cedars are found,<sup>21</sup> and the orchards and gardens contain not only the fruit-trees mentioned above, but also the jujube, the cornel, the filbert, the medlar, the pistachio nut, the pomegranate, and the fig.<sup>22</sup> Away from the immediate vicinity of the rivers and the towns, not a tree, scarcely a bush, is to be seen. The common thorn is indeed tolerably abundant<sup>23</sup> in a few places; but elsewhere the tamarisk and a few other sapless shrubs<sup>24</sup> are the only natural products of this bare and arid region.

In remarkable contrast with the natural barrenness of this wide tract are certain favoured districts in Zagros and Azerbijan, where the herbage is constant throughout the summer, and sometimes only too luxuriant. Such are the rich and extensive grazing grounds of Khawah and Alishtar, near Kerman-shah,<sup>25</sup> the pastures near Ojan<sup>26</sup> and Marand,<sup>27</sup> and the celebrated Chowal Moghan or plain of Moghan, on the lower course of the Araxes river, where the grass is said to grow sufficiently

<sup>19</sup> *Journal of the Geographical Society*, vol. x. p. 3; Ker Porter, vol. i. p. 394; Rich, *Kurdistan*, pp. 105, 163, &c. It was probably from some knowledge of this tract that Virgil spoke of Media as "abounding in trees." (Georg. ii. 136. "Medorum silvæ ditissima terra.")

<sup>20</sup> On the verdure and shade of Isfahan, see Ker Porter, vol. i. p. 411; on that of Hamadan, see Morier, *Second Journey*, p. 262, and Ker Porter, vol. ii. p. 91. On Kashan, see the last-named writer, vol. i. p. 389; and compare Ollivier, tom. v. p. 169.

<sup>21</sup> Ker Porter notes "a species of cedar not unlike that of Lebanon" at

Kashan (l. s. c.). Morier notices elms "with very thick and rich foliage," and a peculiarly "formal shape," near Isfahan (*First Journey*, p. 169; compare *Second Journey*, p. 263).

<sup>22</sup> Ollivier, tom. v. p. 191.

<sup>23</sup> Morier, *Second Journey*, p. 271.

<sup>24</sup> As the soap-wort, which is the "most common shrub" in the country between Koum and Teheran. (Morier, *First Journey*, p. 183.)

<sup>25</sup> *Journal of the Geographical Society*, vol. ix. p. 100.

<sup>26</sup> Morier, *Second Journey*, p. 277.

<sup>27</sup> *Ibid.* p. 302.

high to cover a man on horseback.<sup>28</sup> These, however, are rare exceptions to the general character of the country, which is by nature unproductive, and scarcely deserving even of the qualified encomium of Strabo.<sup>29</sup>

Still Media, though deficient in natural products, is not ill adapted for cultivation. The Zagros valleys and hill-sides produce under a very rude system of agriculture, besides the fruits already noticed, rice, wheat, barley, millet, sesame, Indian corn, cotton, tobacco, mulberries, cucumbers, melons, pumpkins, and the castor-oil plant.<sup>1</sup> In Azerbaijan the soil is almost all cultivable, and if ploughed and sown will bring good crops of the ordinary kinds of grain.<sup>2</sup> Even on the side of the desert, where Nature has shown herself most niggardly, and may seem perhaps to deserve the reproach of Cicero, that she behaves as a step-mother to a man rather than as a mother,<sup>3</sup> a certain amount of care and scientific labour may render considerable tracts fairly productive. The only want of this region is water; and if the natural deficiency of this necessary fluid can be anyhow supplied, all parts of the plateau will bear crops, except those which form the actual Salt Desert. In modern, and still more in ancient times, this fact has been clearly perceived, and an elaborate system of artificial irrigation, suitable to the peculiar circumstances of the country, has been very widely established. The system of *kanats*, as they are called at the present day, aims at utilising to the uttermost all the small streams and rills which descend towards the desert from the surrounding mountains, and at conveying as far as possible into the plain the spring water, which is the indispensable<sup>4</sup> condition of cultivation in a country where — except for a few days in spring and autumn — rain scarcely ever falls. As the precious element would rapidly evaporate if exposed to the rays of the summer sun, the

<sup>28</sup> Kinneir, *Persian Empire*, p. 153, note.

<sup>29</sup> See the passage quoted at the head of this chapter.

<sup>1</sup> Ollivier, *Voyage*, tom. v. p. 14; Chesney, *Euphrates Expedition*, vol. i. p. 123; Rich, *Kurdistan*, pp. 60, 130, 134, &c. Manna is also a product of this region. (See above, vol. i. 218.)

<sup>2</sup> Morier, *First Journey*, pp. 261-266; *Second Journey*, p. 257; Kinneir, *Persian Empire*, p. 149.

<sup>3</sup> "Homo non ut a matre sed ut a novercâ naturâ editus est in vitam."

<sup>4</sup> Ollivier says: "Il faut noter que dans presque toute la Perse il n'y a aucune sorte de culture sans arrosage." (*Voyage*, tom. v. p. 217.)



Iranian husbandman carries his conduit underground, laboriously tunnelling through the stiff argillaceous soil, at a depth of many feet below the surface. The mode in which he proceeds is as follows. At intervals along the line of his intended conduit he first sinks shafts, which he then connects with one another by galleries, seven or eight feet in height, giving his galleries a slight incline, so that the water may run down them freely, and continuing them till he reaches a point where he wishes to bring the water out upon the surface of the plain.<sup>5</sup> Here and there, at the foot of his shafts, he digs wells, from which the fluid can readily be raised by means of a bucket and a windlass; and he thus brings under cultivation a considerable belt of land along the whole line of the *kanat*, as well as a large tract at its termination. These conduits, on which the cultivation of the plateau depends, were established at so remote a date that they were popularly ascribed to the mythic Semiramis,<sup>6</sup> the supposed wife of Ninus. It is thought that in ancient times they were longer and more numerous than at present,<sup>7</sup> when they occur only occasionally, and seldom extend more than a few miles from the base of the hills.

By help of the irrigation thus contrived, the great plateau of Iran will produce good crops of grain, rice, wheat, barley, Indian corn, *doura*, millet, and sesame.<sup>8</sup> It will also bear cotton, tobacco, saffron, rhubarb, madder, poppies which give a good opium, senna, and assafetida.<sup>9</sup> Its garden vegetables are excellent, and include potatoes, cabbages, lentils, kidney-beans, peas, turnips, carrots, spinach, beetroot, and cucumbers.<sup>10</sup> The variety of its fruit-trees has been already noticed.<sup>11</sup> The flavour of their produce is in general good, and in some cases sur-

<sup>5</sup> Ollivier, tom. v. pp. 308, 309; Ker Porter, vol. i. p. 296; Morier, *Second Journey*, pp. 163, 164.

<sup>6</sup> Strab. xvi. 1, § 2. Compare Diod. Sic. ii. 13, § 7. An excellent description of the *kanat* system is given by Polybius ix. 28, § 2).

<sup>7</sup> Ollivier, p. 214. This writer also supposes that much more care was taken in ancient times to economise the water arising from the melting of the snows

and from the spring rains, by means of embankments across the lower valleys of the mountains, and the formation thereby of large reservoirs (p. 214). These reservoirs would be the *τέφια* of Strabo.

<sup>8</sup> Ollivier, pp. 163, 198, &c.; Kinneir, p. 108.

<sup>9</sup> Ollivier, p. 198; Kinneir, p. 38.

<sup>10</sup> Chesney, *Euphrates Expedition*, vol. i. p. 80; Ollivier, l. s. c.; Kinneir, p. 38.

<sup>11</sup> Supra, p. 289.

passingly excellent. No quinces are so fine as those of Isfahan,<sup>12</sup> and no melons have a more delicate flavour.<sup>13</sup> The grapes of Kasvin are celebrated, and make a remarkably good wine.<sup>14</sup>

Among the flowers of the country must be noted, first of all, its roses, which flourish in the most luxuriant abundance, and are of every variety of hue.<sup>15</sup> The size to which the tree will grow is extraordinary, standards sometimes exceeding the height of fourteen or fifteen feet.<sup>16</sup> Lilacs, jasmynes, and many other flowering shrubs are common in the gardens, while among wild flowers may be noticed hollyhocks, lilies, tulips, crocuses, anemones, lilies of the valley, fritillaries, gentians, primroses, convolvuluses, chrysanthemums, heliotropes, pinks, water-lilies, ranunculuses, jonquils, narcissuses, hyacinths, mallows, stocks, violets, a fine campanula (*Michauxia levigata*), a mint (*Nepeta longiflora*), several sages, salsolas, and fagonias.<sup>17</sup> In many places the wild flowers during the spring months cover the ground, painting it with a thousand dazzling or delicate hues.<sup>18</sup>

The mineral products of Media are numerous and valuable. Excellent stone of many kinds abounds in almost every part of the country, the most important and valuable being the famous Tabriz marble. This curious substance appears to be a petrification formed by natural springs, which deposit carbonate of lime in large quantities. It is found only in one place, on the flanks of the hills, not far from the Urumiyeh lake. The slabs are used for tombstones, for the skirting of rooms, and for the pavements of baths and palaces; when cut thin they often take the place of glass in windows, being semi-transparent.<sup>19</sup> The marble is commonly of a pale yellow colour, but occasionally it is streaked with red, green, or copper-coloured veins.<sup>20</sup>

<sup>12</sup> Kinneir, p. 38; Ollivier, p. 191; Morier, *First Journey*, p. 230.

<sup>13</sup> Ollivier, pp. 191, 192.

<sup>14</sup> Morier, *Second Journey*, p. 203.

<sup>15</sup> Ker Porter, vol. i. p. 440; *Geographical Journal*, vol. x. p. 29; Ollivier, tom. v. pp. 49, &c.

<sup>16</sup> Ollivier, p. 184; Ker Porter, vol. i. p. 337.

<sup>17</sup> A correct account of the botany of Persia is still a desideratum. The above

particulars are collected chiefly from Ollivier and Chardin.

<sup>18</sup> Morier, *First Journey*, pp. 263 and 300. Rich, *Kurdistan*, p. 360. Hence the abundance of excellent honey. (Rich, p. 142.)

<sup>19</sup> *Geographical Journal*, vol. x. p. 4; Morier, *Second Journey*, p. 285; Ker Porter, vol. ii. p. 527.

<sup>20</sup> Morier, l. s. c.

In metals the country is thought to be rich, but no satisfactory examination of it has been as yet made. Iron, copper, and native steel are derived from mines actually at work; while Europeans have observed indications of lead, arsenic, and antimony in Azerbaijan, in Kurdistan, and in the rocky ridges which intersect the desert.<sup>1</sup> Tradition speaks of a time when gold and silver were procured from mountains near Takht-i-Suleïman,<sup>2</sup> and it is not unlikely that they may exist both there and in the Zagros range. Quartz, the well-known matrix of the precious metal, abounds in Kurdistan.<sup>3</sup>

Of all the mineral products, 'none is more abundant than salt.<sup>4</sup> On the side of the desert, and again near Tabriz, at the mouth of the Aji Su, are vast plains which glisten with the substance, and yield it readily to all who care to gather it up. Saline springs and streams are also numerous,<sup>5</sup> from which salt can be obtained by evaporation. But, besides these sources of supply, rock salt is found in places,<sup>6</sup> and this is largely quarried, and is preferred by the natives.<sup>7</sup>

Other important products of the earth are saltpetre, which is found in the Elburz,<sup>8</sup> and in Azerbaijan;<sup>9</sup> sulphur, which abounds in the same regions, and likewise on the high plateau;<sup>10</sup> alum,<sup>11</sup> which is quarried near Tabriz; naphtha and gypsum, which are found in Kurdistan;<sup>12</sup> and talc, which exists in the mountains near Koum,<sup>13</sup> in the vicinity of Tabriz,<sup>14</sup> and probably in other places.

The chief wild animals which have been observed within the

<sup>1</sup> Chardin, *Voyages en Perse*, tom. iii. p. 29; Ker Porter, *Travels*, vol. i. pp. 266 and 380; *Geographical Journal*, vol. x. p. 55; Morier, *First Journey*, pp. 283, 284; Ouseley, *Travels*, vol. iii. p. 406.

<sup>2</sup> *Geographical Journal*, vol. x. p. 55. A mountain in this quarter is called by the natives *Zerrch Shurân*, or the mountain of the "Gold-washers."

<sup>3</sup> Chesney, *Euphrates Expedition*, vol. i. p. 72.

<sup>4</sup> Chardin says: "Il n'y a rien de plus commun en Perse que le sel." (*Voyages*, tom. iii. p. 30.)

<sup>5</sup> *Supra*, p. 257, note 7.

<sup>6</sup> *Geographical Journal*, vol. x. p. 62;

Chardin, l. s. c.; Morier, *Second Journey*, pp. 257 and 288; Rich, *Kurdistan*, p. 123.

<sup>7</sup> Morier, *Second Journey*, p. 288.

<sup>8</sup> Kinneir, p. 40; Chardin, tom. iii. p. 29.

<sup>9</sup> Morier, *First Journey*, p. 284.

<sup>10</sup> Kinneir, l. s. c.; Morier, *First Journey*, p. 284; *Second Journey*, p. 355; Rich, *Kurdistan*, p. 123; Ker Porter, vol. i. p. 374.

<sup>11</sup> *Geographical Journal*, vol. x. p. 62. Alum is also found in the Zagros range. (Rich, l. s. c.)

<sup>12</sup> *Ibid.* pp. 123 and 231.

<sup>13</sup> Ker Porter, vol. i. p. 380.

<sup>14</sup> Morier, *Second Journey*, p. 289.

limits of the ancient Media are the lion, the tiger, the leopard, the bear, the beaver, the jackal, the wolf, the wild ass, the ibex or wild goat, the wild sheep, the stag, the antelope, the wild boar, the fox, the hare, the rabbit, the ferret, the rat, the jerboa, the porcupine, the mole, and the marmot. The lion and tiger are exceedingly rare; they seem to be found only in Azerbaijan,<sup>15</sup> and we may perhaps best account for their presence there by considering that a few of these animals occasionally stray out of Mazanderan, which is their only proper locality in this part of Asia. Of all the beasts, the most abundant are the stag and the wild goat, which are numerous in the Elburz, and in parts of Azerbaijan,<sup>16</sup> the wild boar, which abounds both in Azerbaijan and in the country about Hamadan,<sup>17</sup> and the jackal, which is found everywhere. Bears flourish in Zagros, antelopes in Azerbaijan, in the Elburz, and on the plains near Sultaniyeh.<sup>18</sup> The wild ass is found only in the desert parts of the high plateau;<sup>19</sup> the beaver only in Lake Zeribar, near Suleimaniyeh.<sup>20</sup>

The Iranian wild ass differs in some respects from the Mesopotamian. His skin is smooth, like that of a deer, and of a reddish colour, the belly and hinder parts partaking of a silvery grey; his head and ears are large and somewhat clumsy; but his neck is fine, and his legs are beautifully slender. His mane is short and black, and he has a black tuft at the end of his tail, but no dark line runs along his back or crosses his shoulders.<sup>21</sup> The Persians call him the *gur-khur*, and chase him with occasional success, regarding his flesh as a great

<sup>15</sup> Sir W. Ouseley heard of lions near Koum, but he saw no signs of them. (*Travels*, vol. iii. p. 108.) Mr. Morier observed marks of a lion's foot in Mount Sehend, which impends over Tabriz. (*Second Journey*, p. 294.) He heard of tigers in the same region, and saw the skin of one which had been killed. (*Ibid.* p. 218.)

<sup>16</sup> *Ibid.* pp. 241, 359, 364.

<sup>17</sup> *Ibid.* pp. 241, 302; Ollivier, tom. iii. p. 64.

<sup>18</sup> Ouseley, *Travels*, vol. iii. pp. 213, 217, and 246; Morier, *Second Journey*, p. 205.

<sup>19</sup> Ouseley saw them near Kasvin (vol. iii. p. 381); Ker Porter in the desert below Isfahan (vol. i. pp. 459-461).

<sup>20</sup> Rich, *Kurdistan*, p. 186.

<sup>21</sup> See the description of Ker Porter (l. s. c.), who carefully examined a specimen killed by one of his party. Morier and Ollivier differ from him with respect to the existence of a line down the back and a bar across the shoulders (Ollivier, tom. iii. p. 65; Morier, *Second Journey*, p. 201); but they appear to have had less satisfactory means of judging.

delicacy. He appears to be the *Asinus onager* of naturalists, a distinct species from the *Asinus hemippus* of Mesopotamia, and the *Asinus hemionus* of Thibet and Tartary.<sup>23</sup>

It is doubtful whether some kind of wild cattle does not still inhabit the more remote tracts of Kurdistan. The natives mention among the animals of their country "the mountain ox;" and though it has been suggested that the beast intended is the elk,<sup>23</sup> it is perhaps as likely to be the Aurochs, which seems certainly to have been a native of the adjacent country of Mesopotamia in ancient times.<sup>24</sup> At any rate, until Zagros has been thoroughly explored by Europeans, it must remain uncertain what animal is meant. Meanwhile we may be tolerably sure that, besides the species enumerated, Mount Zagros contains within its folds some large and rare ruminant.

Among the birds the most remarkable are the eagle, the bustard, the pelican, the stork, the pheasant, several kinds of partridges, the quail, the woodpecker, the bee-eater, the hoopoe, and the nightingale. Besides these, doves and pigeons, both wild and tame,<sup>25</sup> are common; as are swallows, goldfinches, sparrows, larks, blackbirds, thrushes, linnets, magpies, crows, hawks, falcons, teal, snipe, wild ducks, and many other kinds of waterfowl. The most common partridge is a red-legged species (*Caccabis chukar* of naturalists), which is unable to fly far, and is hunted until it drops.<sup>26</sup> Another kind, common both in Azerbaijan and in the Elburz,<sup>27</sup> is the black-breasted partridge (*Perdix nigra*) — a bird not known in many countries. Besides these, there is a small grey partridge in the Zagros range,

<sup>23</sup> See the *Annals and Magazine of Natural History*, vol. vi. No. 34, p. 243.

<sup>23</sup> Rich, *Kurdistan*, p. 237.

<sup>24</sup> *Supra*, vol. i. pp. 226, 512, 513.

<sup>25</sup> Tame pigeons are bred on a large scale, mainly for the sake of their dung, which is the favourite manure of the melon-grounds. All travellers remark the numerous pigeon-towers, especially in the neighbourhood of Isfahan, some of which bring in an income of two or three hundred pounds a year. (See Kinneir, p. 110; Chardin, tom. iii. p. 39;

Morier, *First Journey*, p. 155; *Second Journey*, p. 140.)

<sup>26</sup> Rich says: "Hundreds of partridges are taken by parties of sportsmen stationed on opposite hills, who frighten the covey by shouting as soon as it comes in their direction. The birds at last become alarmed and confused, and drop to the ground, when they are easily taken." (*Kurdistan*, p. 237.) Compare 1 Sam. xxvi. 20.

<sup>27</sup> Morier, *Second Journey*, pp. 234 and 359.

which the Kurds call *saska*.<sup>28</sup> The bee-eater (*Merops Persicus*) is rare. It is a bird of passage, and only visits Media in the autumn, preparatory to retreating into the warm district of Mazanderan for the winter months.<sup>29</sup> The hoopoe (*Upupa*) is probably still rarer, since very few travellers mention it.<sup>30</sup> The woodpecker is found in Zagros, and is a beautiful bird, red and grey in colour.<sup>31</sup>



Pigeon Towers near Isfahan.

Media is, on the whole, but scantily provided with fish. Lake Urumiyeh produces none, as its waters are so salt that they even destroy all the river-fish which enter them.<sup>1</sup> Salt streams, like the Aji Su, are equally unproductive, and the fresh-water rivers of the plateau fall so low in summer, that fish cannot

<sup>28</sup> Rich, *Kurdistan*, p. 143.

<sup>29</sup> Ollivier, *Voyages*, tom. v. p. 125.

<sup>30</sup> I have found a mention of the hoopoe only in Morier, who saw it near Kasvin. (*First Journey*, p. 255.)

<sup>31</sup> Rich, *Kurdistan*, p. 143.

<sup>1</sup> *Geographical Journal*, vol. iii. p. 56; vol. x. p. 7; Morier, *Second Journey*, p. 288; Kinneir, p. 155.

become numerous in them. Thus it is only in Zagros, in Azerbaijan, and in the Elburz, that the streams furnish any considerable quantity. The kinds most common are barbel, carp, dace, bleak, and gudgeon.<sup>2</sup> In a comparatively few streams, more especially those of Zagros, trout are found, which are handsome and of excellent quality.<sup>3</sup> The river of Isfahan produces a kind of cray-fish, which is taken in the bushes along its banks, and is very delicate eating.<sup>4</sup>

It is remarkable that fish are caught not only in the open streams of Media, but also in the *kanats* or underground conduits, from which the light of day is very nearly excluded. They appear to be of one sort only, viz., barbel, but are abundant, and often grow to a considerable size. Chardin supposed them to be unfit for food;<sup>5</sup> but a later observer declares that, though of no great delicacy, they are "perfectly sweet and wholesome."<sup>6</sup>

Of reptiles, the most common are snakes, lizards, and tortoises. In the long grass of the Moghan district, on the lower course of the Araxes, the snakes are so numerous and venomous, that many parts of the plain are thereby rendered impassable in the summer-time.<sup>7</sup> A similar abundance of this reptile near the western entrance of the Girduni Siyaluk pass<sup>8</sup> induces the natives to abstain from using it except in winter.<sup>9</sup> Lizards of many forms and hues<sup>10</sup> disport themselves about the rocks and stones, some quite small, others two feet or more in length.<sup>11</sup> They are quite harmless, and appear to be in general very tame. Land tortoises are also common in the sandy regions.<sup>12</sup> In Kurdistan there is a remarkable frog, with a smooth skin and of an apple-green colour, which lives chiefly in trees, roost-

<sup>2</sup> Morier, *Second Journey*, p. 253; Chardin, tom. iii. p. 44; Ouseley, vol. iii. p. 50; Rich, *Kurdistan*, p. 60.

<sup>3</sup> Rich, p. 67; Fraser, *Travels in Kurdistan*, vol. i. p. 7. Trout occur also in the Elburz. (Ouseley, vol. iii. p. 125.)

<sup>4</sup> Chardin, tom. iii. p. 44. "Un manger fort délicat."

<sup>5</sup> Ibid.

<sup>6</sup> Fraser, *Khorasan*, p. 406.

<sup>7</sup> Kinneir, p. 153, note; Morier, *Second Journey*, p. 250; Chesney, *Euphrates Expedition*, vol. i. p. 82.

<sup>8</sup> See above, p. 273, note <sup>11</sup>.

<sup>9</sup> Sir H. Rawlinson, MS. notes. Compare Pliny, *H. N.* vi. 14: "Præterea serpentium multitudo, nisi hyeme, transitum non sinit."

<sup>10</sup> Ker Porter, vol. i. pp. 390, 391.

<sup>11</sup> Ker Porter measured one, and found it exceed two feet (l. s. c.). Chardin says that some which he saw were an ell in length. (*Voyages*, tom. iii. p. 38.)

<sup>12</sup> Ker Porter, l. s. c.

ing in them at night, and during the day employing itself in catching flies and locusts, which it strikes with its fore paw, as a cat strikes a bird or a mouse.<sup>13</sup>

Among insects, travellers chiefly notice the mosquito,<sup>14</sup> which is in many places a cruel torment; the centipede, which grows to an unusual size;<sup>15</sup> the locust, of which there is more than one variety; and the scorpion, whose sting is sometimes fatal.

The destructive locust (the *Acridium peregrinum*, probably) comes suddenly into Kurdistan<sup>16</sup> and southern Media<sup>17</sup> in clouds that obscure the air, moving with a slow and steady flight and with a sound like that of heavy



The Destructive Locust (*Acridium peregrinum*).

rain, and settling in myriads on the fields, the gardens, the trees, the terraces of the houses, and even the streets, which they sometimes cover completely. Where they fall, vegetation presently disappears; the leaves, and even the stems of the plants, are devoured; the labours of the husbandman through many a weary month perish in a day; and the curse of famine is brought upon the land which but now enjoyed the prospect of an abundant harvest. It is true that the devourers are themselves devoured to some extent by the poorer sort of people;<sup>18</sup> but the compensation is slight and temporary; in a few days, when all verdure is gone, either the swarms move to fresh pastures, or they perish and cover the fields with their dead bodies, while the desolation which they have created continues.

Another kind of locust, observed by Mr. Rich in Kurdistan, is called by the natives *shira-kulla*, a name seemingly identical with the *chargôl* of the Jews,<sup>19</sup> and perhaps the best clue which we possess to the identification of that species. Mr. Rich de-

<sup>13</sup> Rich, *Kurdistan*, p. 173.

<sup>14</sup> Ibid. p. 172; Chardin, tom. iii. p. 38; Ouseley, vol. iii. p. 122.

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<sup>16</sup> Rich, p. 171.

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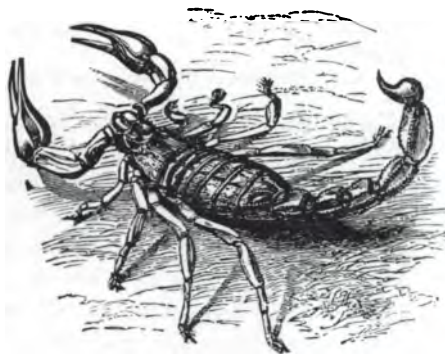
<sup>18</sup> Chardin, tom. ii. p. 221.

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scribes it as "a large insect, about four inches long, with no wings, but a kind of sword projecting from the tail. It bites," he says, "pretty severely, but does no harm to the cultivation."<sup>20</sup> We may recognise in this description a variety of the great green grasshopper (*Locusta viridissima*), many species of which are destitute of wings, or have wing-covers only, and those of a very small size."<sup>21</sup>

The scorpion of the country (*Scorpio crassicauda*) has been represented as peculiarly venomous,<sup>22</sup> more especially that which abounds in the city and neighbourhood of Kashan;<sup>23</sup>



The Scorpion (*Scorpio crassicauda*).

but the most judicious observers deny that there is any difference between the Kashen scorpion and that of other parts of the plateau,<sup>24</sup> while at the same time they maintain that if the sting be properly treated, no danger need be apprehended from it. The scorpion infests houses, hiding itself under cushions and

coverlets, and stings the moment it is pressed upon; some caution is thus requisite in avoiding it; but it hurts no one unless molested, and many Europeans have resided for years in the country without having ever been stung by it.<sup>25</sup>

The domestic animals existing at present within the limits of the ancient Media are the camel, the horse, the mule, the ass, the cow, the goat, the sheep, the dog, the cat, and the buffalo. The camel is the ordinary beast of burden in the flat country, and can carry an enormous weight. Three kinds are employed

<sup>20</sup> Kurdistan, p. 195.

<sup>21</sup> Cuvier's *Animal Kingdom*, edition of Carpenter and Westwood, p. 561.

<sup>22</sup> Chardin, tom. iii. p. 38.

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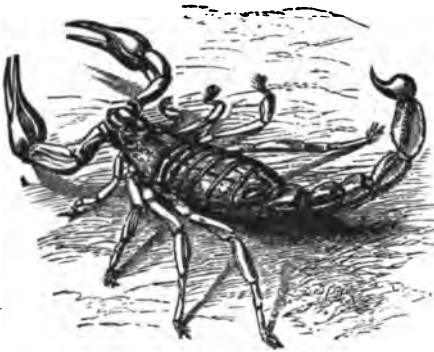
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—the Bactrian or two-humped camel, which is coarse and low; the taller and lighter Arabian breed; and a cross between the two, which is called *ner*, and is valued very highly.<sup>26</sup> The ordinary burden of the Arabian camel is from seven to eight hundredweight; while the Bactrian variety is said to be capable of bearing a load nearly twice as heavy.<sup>27</sup>

Next to the camel, as a beast of burden, must be placed the mule. The mules of the country are small, but finely proportioned, and carry a considerable weight.<sup>1</sup> They travel thirty miles a day with ease,<sup>2</sup> and are preferred for journeys on which it is necessary to cross the mountains. The ass is very inferior, and is only used by the poorer classes.<sup>3</sup>

Two distinct breeds of horses are now found in Media, both of which seem to be foreign — the Turkoman and the Arabian. The Turkoman is a large, powerful, enduring animal, with long legs, a light body, and a big head.<sup>4</sup> The Arab is much smaller, but perfectly shaped, and sometimes not greatly inferior to the very best produce of Nejd.<sup>5</sup> A third breed is obtained by an intermixture of these two, which is called the *bid-paï*, or “wind footed,” and is the most prized of all.<sup>6</sup>

The dogs are of various breeds, but the most esteemed is a large kind of greyhound, which some suppose to have been introduced into this part of Asia by the Macedonians, and which is chiefly employed in the chase of the antelope.<sup>7</sup> The animal is about the height of a full-sized English greyhound, but rather stouter; he is deep-chested, has long, smooth hair,

<sup>26</sup> Chesney, *Euphrates Expedition*, vol. i. p. 82.

<sup>27</sup> *Ibid.* p. 582.

<sup>1</sup> Chesney says that the ordinary burden of a mule in Persia is three hundredweight. (*Euphrates Expedition*, vol. i. p. 81.)

<sup>2</sup> *Ibid.* l. s. c.

<sup>3</sup> Chardin, *Voyages*, tom. iii. p. 33; Chesney, l. s. c.

<sup>4</sup> Kinneir, *Persian Empire*, p. 40; Fraser, *Khorasan*, pp. 269, 270. Fraser observes, that “on the whole the Turkoman horses approach more to the character of the English horse than any other breed in the East.”

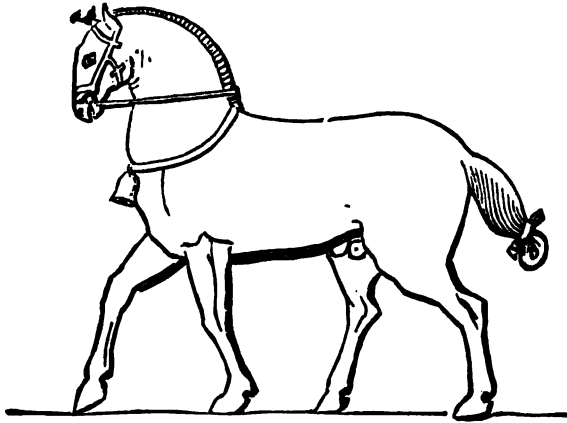
<sup>5</sup> Kinneir, l. s. c.

<sup>6</sup> Chesney, l. s. c.

<sup>7</sup> The antelope is commonly chased by the falcon and greyhound in combination. The falcon, when loosed, makes straight at the game, and descending on its head, either strikes it to the ground, or at least greatly checks its course. If shaken off, it will strike again and again, at once so frightening and retarding the animal that the dogs easily reach it. (See Chardin, tom. iii. p. 42, and Kinneir, p. 42. Compare the similar practice of the Mesopotamian Arabs, described in Layard's *Nineveh and Babylon*, p. 482.)

and the tail considerably feathered.<sup>8</sup> His pace is inferior to that of our greyhounds, but in strength and sagacity he far surpasses them.<sup>9</sup>

We do not find many of the products of Media celebrated by ancient writers. Of its animals, those which had the highest reputation were its horses, distinguished into two breeds, an ordinary kind, of which Media produced annually many thousands,<sup>10</sup> and a kind of rare size and excellence, known under the name of Nisæan. These last are celebrated by Herodotus,<sup>11</sup> Strabo,<sup>12</sup> Arrian,<sup>13</sup> Ammianus Marcellinus,<sup>14</sup> Suidas,<sup>15</sup> and others.



Persepolitan Horse, perhaps Nisæan.

They are said to have been of a peculiar shape;<sup>16</sup> and they were equally famous for size, speed, and stoutness.<sup>17</sup> Strabo remarks that they resembled the horses known in his own time as Parthian;<sup>18</sup> and this observation seems distinctly to

<sup>8</sup> Ollivier, tom. v. p. 104; Chesney, vol. i. p. 587; Layard, p. 482, note.

<sup>9</sup> See the narrative of Ker Porter, *Travels*, vol. i. pp. 444, 445.

<sup>10</sup> Diodorus Siculus says that the great horse pastures near Bagistan nourished at one time 160,000 horses (xvii. 110, § 6). Strabo tells us that Media furnished annually to the Persian king 3000 horses as a part of its fixed tribute (xi. 13, § 8). Polybius speaks of the vast number of horses in Media, which supplied with those animals "almost

all Asia." (σχεδὸν ἅπασαν χορηγεῖ τὴν Ἀσίαν. Polyb. x. 27, § 2.)

<sup>11</sup> Herod. vii. 40. Compare iii. 106, and i. 189.

<sup>12</sup> Strab. xi. 13, § 7.

<sup>13</sup> Arrian, *Exp. Alex.* vii. 13. Arrian gives the form Νισαῖος, in place of the Νισαῖος of Herodotus, and the Νησαῖος of Strabo.

<sup>14</sup> Amm. Marc. xxiii. 6.

<sup>15</sup> Suidas, ad voc. Νισαῖον.

<sup>16</sup> Ἰδιόμορφοι. Strab. l. s. c.

<sup>17</sup> Μέγιστοι. (Strab.), ὤκιστοι (Suid.), ἄριστοι (Strab.).

<sup>18</sup> Loc. cit.

connect them with the Turkoman breed mentioned above, which is derived exactly from the old Parthian country. In colour they were often, if not always, white. We have no representation on the monuments which we can regard as certainly intended for a Nisæan horse, but perhaps the above figure from Persepolis may be a Persian sketch of the animal.<sup>19</sup>

The mules and small cattle (sheep and goats) were in sufficient repute to be required, together with horses, in the annual tribute paid to the Persian king.<sup>20</sup>

Of vegetable products assigned to Media by ancient writers, the most remarkable is the "Median apple" or citron.<sup>21</sup> Pliny says it was the sole tree for which Media was famous,<sup>22</sup> and that it would only grow there and in Persia.<sup>23</sup> Theophrastus,<sup>24</sup> Dioscorides,<sup>25</sup> Virgil,<sup>26</sup> and other writers, celebrate its wonderful qualities, distinctly assigning it to the same region. The citron, however, will not grow in the country which has been here termed Media.<sup>27</sup> It flourishes only in the warm tract between Shiraz and the Persian Gulf, and in the low sheltered region, south of the Caspian, the modern Ghilan and Mazanderan. No doubt it was the inclusion of this latter region within the limits of Media by many of the later geographers that gave to this product of the Caspian country an appellation which is really a misnomer.

Another product whereto Media gave name, and probably with more reason, was a kind of clover or lucerne, which was said to have been introduced into Greece by the Persians in the reign of Darius,<sup>28</sup> and which was afterwards cultivated

<sup>19</sup> The horse represented, though not large according to English notions, is considerably above the standard usual on the Persian monuments.

<sup>20</sup> Strab. xi. 13, § 8.

<sup>21</sup> It has been questioned whether the "Malum medicum" was the orange or the citron. I decide in favour of the citron, on account of the description in Dioscorides. Το μήλον ἐνίμηκες (oblong), ῥηρυτιδωμένον (wrinkled), χρυσαῖον τῇ χρώει, κ. τ. λ. (*De Mat. Med.* i. § 166.)

<sup>22</sup> *H. N.* xii. 3. "Nec alia arbor laudatur in Medis."

<sup>23</sup> *Ibid.* "Nisi apud Medos et in Perside nasci noluit."

<sup>24</sup> *Hist. Plant.* iv. 4.

<sup>25</sup> *De Mat. Med.* i. § 166.

<sup>26</sup> *Georg.* ii. 126-135).

"Media fert tristes succos tardumque saporem  
Felleis mali: quo non præsentius ullum,  
Pocula si quando sævas infecere novercæ,  
Miscueruntque herbas et non innoxia verba,  
Auxilium venit, ac membris agit atra venena.  
Ipsa ingens arbor, faciemque simillima lauro;  
Et, si non alium late jactaret odorem,  
Laurus erat; folia haud ullis labentia ventis;  
Flos ad prima tenax; animas et olentia Medi  
Ora foveat illo, et senibus medicantur anhelis."

<sup>27</sup> Ollivier, tom. v. p. 191; Chesney, vol. i. p. 80. <sup>28</sup> Pliny, *H. N.* xviii. 16.

largely in Italy.<sup>29</sup> Strabo considers this plant to have been the chief food of the Median horses,<sup>30</sup> while Dioscorides assigns it certain medicinal qualities.<sup>31</sup> Clover is still cultivated in the Elburz region,<sup>32</sup> but horses are now fed almost entirely on straw and barley.

Media was also famous for its silphium, or *assafetida*, a plant which the country still produces,<sup>33</sup> though not in any large quantity. No drug was in higher repute with the ancients for medicinal purposes; and though the Median variety was a coarse kind, inferior in repute, not only to the Cyrenaic, but also to the Parthian and the Syrian,<sup>34</sup> it seems to have been exported both to Greece and Rome,<sup>35</sup> and to have been largely used by druggists, however little esteemed by physicians.<sup>36</sup>

The other vegetable products which Media furnished, or was believed to furnish, to the ancient world, were bdellium, amomum, cardamomum, gum tragacanth, wild-vine oil, and sagapenum, or the *Ferula persica*.<sup>37</sup> Of these, gum tragacanth is still largely produced, and is an important article of commerce.<sup>38</sup> Wild vines abound in Zagros<sup>39</sup> and Elburz, but no oil is at present made from them. Bdellium, if it is benzoin, amomum, and cardamomum were perhaps rather imported through Media<sup>40</sup> than the actual produce of the country, which is too cold in the winter to grow any good spices.

The mineral products of Media noted by the ancient writers are nitre, salt, and certain gems, as emeralda, lapis lazuli, and

<sup>29</sup> See Varro, *De Re Rustica*, i. 42; Virg. *Georg.* i. 215; Pliny, l. s. c.

<sup>30</sup> Strab. xi. 13, § 7.

<sup>31</sup> *De Mat. Med.* ii. § 176; iv. § 18.

<sup>32</sup> See Morier, *Second Journey*, p. 361.

<sup>33</sup> Chesney, vol. i. p. 80; Chardin, tom. iii. p. 17.

<sup>34</sup> Pliny, *H. N.* xxii. 23. Compare Strab. xi. 13, § 7.

<sup>35</sup> Diosc. *De Mat. Med.* iii. 84; Plin. *H. N.* xix. 3.

<sup>36</sup> Compare Strab. xi. 13, § 7 ad fin. with Diosc. iii. 84.

<sup>37</sup> Bdellium is called a Median product by Pliny (*H. N.* xii. 9); amomum by Pliny and Dioscorides (*De Mat. Med.* i. § 14); gum tragacanth by Pliny (xiii.

21) and Theophrastus (*De Hist. Plant.* ix. 1); sagapenum by Dioscorides (iii. 85); wild-vine oil (*Enanthe*) by Pliny (xii. 28); and cardamomum by the same writer (xii. 13). Theophrastus expresses a doubt whether amomum and cardamomum came from Media or from India (viii. 7).

<sup>38</sup> Ollivier, tom. v. p. 343.

<sup>39</sup> Rich, *Kurdistan*, p. 144.

<sup>40</sup> See above, note <sup>37</sup>. Kuhn argues that this was the case also with the silphium or *assafetida*, which (he thinks) is scarcely to be found in Media Proper. See his edition of Dioscorides, vol. ii. p. 530.)

the following obscurer kinds, the *zathene*, the *gassinades*, and the *narcissitis*. The nitre of Media is noticed by Pliny, who says it was procured in small quantities, and was called "halmyraga."<sup>1</sup> It was found in certain dry-looking glens, where the ground was white with it, and was obtained there purer than in other places. Saltpetre is still derived from the Elburz range, and also from Azerbaijan.<sup>2</sup>

The salt of Lake Urumiyeh is mentioned by Strabo, who says that it forms naturally on the surface,<sup>3</sup> which would imply a far more complete saturation of the water than at present exists, even in the driest seasons. The gems above mentioned are assigned to Media chiefly by Pliny. The Median emeralds, according to him, were of the largest size; they varied considerably, sometimes approaching to the character of the sapphire, in which case they were apt to be veiny, and to have flaws in them.<sup>4</sup> They were far less esteemed than the emeralds of many other countries. The Median lapis lazuli,<sup>5</sup> on the other hand, was the best of its kind. It was of three colours — light blue, dark blue, and purple. The golden specks, however, with which it was sprinkled — really spots of yellow pyrites — rendered it useless to the gem-engravers of Pliny's time.<sup>6</sup> The *zathene*, the *gassinades*, and the *narcissitis* were gems of inferior value.<sup>7</sup> As they have not yet been identified with any known species, it will be unnecessary to prolong the present chapter by a consideration of them.

<sup>1</sup> Plin. *H. N.* xxxi. 10.

<sup>2</sup> See above, p. 294, notes <sup>8</sup> and <sup>9</sup>.

<sup>3</sup> Strab. xi. 13, § 2. *Δίμνην ἔχει τὴν θαύταν, ἐν ᾗ ἅλς ἐκπορεύεται πύρρονται.*

<sup>4</sup> *H. N.* xxxvii. 5. Compare Solinus, *Polyhist.* 20.

<sup>5</sup> Pliny's name for this gem is "sapphirus;" but it has been well shown by Mr. King that his "sapphirus" is the lapis lazuli, and his "hyacinthus" the sapphire. (*Antique Gems*, pp. 44-47.)

<sup>6</sup> *H. N.* xxxvii. 8. Neither the lapis lazuli nor the emerald are now found within the limits of Media. The former abounds in Bactria, near Fyzabad; and the latter is occasionally found in the same region. (Fraser, *Khorasan*, Appendix, pp. 105, 106.)

<sup>7</sup> See Plin. *H. N.* xxxvii. 10 and 11. The *narcissitis* is mentioned also by Dionysius. (See the passage placed at the head of the first chapter.)



## CHAPTER III.

CHARACTER, MANNERS AND CUSTOMS, ARTS, &c.,  
OF THE PEOPLE.

"Pugnatrix natio et formidanda."—*ANON. MARC. xxiii. 6.*

THE ethnic character of the Median people is at the present day scarcely a matter of doubt. The close connection which all history, sacred and profane, establishes between them and the Persians,<sup>1</sup> the evidence of their proper names<sup>2</sup> and of their language,<sup>3</sup> so far as it is known to us, together with the express statements of Herodotus<sup>4</sup> and Strabo,<sup>5</sup> combine to prove that they belonged to that branch of the human family known to us as the Arian or Iranic, a leading subdivision of the great Indo-European race. The tie of a common language, common manners and customs, and to a great extent a common belief, united in ancient times all the dominant tribes of the great plateau, extending even beyond the plateau in one direction to the Jaxartes (Syhun) and in another to the Hyphasis (Sutlej). Persians, Medes, Sagartians, Chorasians, Bactrians, Sogdians, Hyrcanians, Sarangians, Gandarians, and Sanskritic Indians

<sup>1</sup> On this connection see Dan. v. 28 ("Thy kingdom is divided and given to the Medes and Persians"), vi. 8, 12, 15 ("the law of the Medes and Persians"), Esther i. 3 ("the power of Persia and Media"), i. 14 ("the princess of Persia and Media"), i. 19 ("the laws of the Persians and the Medes"), x. 2 ("the book of the chronicles of Media and Persia"); and compare Herod. i. 102, 130; *Æsch. Pers.* 761-775; *Xen. Cyrop.* i. 2, § 1, *et passim*; *Beh. Ins.* col. i. par. 10, § 10; par. 11, § 7; par. 12, § 3; par. 13, § 2; par. 14, § 7. Medes were frequently employed as generals by the Persians. (See Herod. i. 156, 162; vi. 94; *Beh. Ins.* col. ii. par. 14, § 6; col. iii. par. 14, § 3.) The closeness of the

connection is perhaps most strikingly shown by the indifferent use in the Greek writers of the expressions τὰ Περσικά and τὰ Μηδικά for the Persian war, ὁ Πέρσης and ὁ Μῆδος for the invader. Compare μεδίζων, μηδισμός, and the like.

<sup>2</sup> See the Analysis of the Median and Persian Proper Names in the author's *Herodotus*, vol. iii. pp. 444-455, 2nd edition.

<sup>3</sup> See the author's *Herodotus*, vol. i. p. 552, note 9.

<sup>4</sup> Herod. vii. 62. Οἱ Μῆδοι ἐκατέρωτο πάλαι πρὸς πάντων Ἄριοι.

<sup>5</sup> Strab. xv. 2, § 8. Ἐπεκτείνεται δὲ τοῦ νομα τῆς Ἀριανῆς μέχρι μέρους τινὸς καὶ Περσῶν καὶ Μῆδων. . . . Εἰσὶ γὰρ πῶς καὶ ἀμύλωτοι παρὰ μικρὸν.

belonged all to a single stock, differing from one another probably not much more than now differ the various subdivisions of the Teutonic or the Slavonic race.<sup>6</sup> Between the tribes at the two extremities of the Arian territory the divergence was no doubt considerable; but between any two neighbouring tribes the difference was probably in most cases exceedingly slight. At any rate this was the case towards the west, where the Medes and Persians, the two principal sections of the Arian body in that quarter, are scarcely distinguishable from one another in any of the features which constitute ethnic type.

The general physical character of the ancient Arian race is best gathered from the sculptures of the Achæmenian kings,<sup>7</sup> which exhibit to us a very noble variety of the human species — a form tall, graceful, and stately; a physiognomy handsome and pleasing, often somewhat resembling the Greek;<sup>8</sup> the forehead high and straight, the nose nearly in the same line, long and well formed, sometimes markedly aquiline, the upper lip short, commonly shaded by a moustache, the chin rounded and generally covered with a curly beard. The hair evidently grew in great plenty, and the race was proud of it. On the top of the head it was worn smooth, but it was drawn back from the forehead and twisted into a row or two of crisp curls, while at the same time it was arranged into a large mass of similar small close ringlets at the back of the head and over the ears.

Of the Median women we have no representations upon the sculptures; but we are informed by Xenophon that they were remarkable for their stature and their beauty.<sup>9</sup> The same qualities were observable in the women of Persia, as we learn

<sup>6</sup> See the author's *Herodotus*, vol. i. pp. 550-555, 2nd edition.

<sup>7</sup> The only certain representations of actual Medes which the sculptures furnish are the prostrate figure and the third standing rebel in the Behistun bas-relief. But the artist in this sculpture made no pretence of marking ethnic difference by a variety in the physiognomy.

<sup>8</sup> Dr. Prichard observes of the type in question: "The outline of the countenance is here *not strictly* Grecian, for

it is peculiar; but it is noble and dignified; and if the expression is not full of life and genius, it is intellectual and indicative of reflexion. The shape of the head is entirely Indo-European, and has nothing that recalls the Tartar or Mongolian." (*Nat. Hist. of Man*, p. 173.)

<sup>9</sup> Xen. *Anab.* iii. 2, § 25. In accordance with his statement in this place, Xenophon makes the daughter of Cyaxares, whom he marries to Cyrus the Great, an extraordinary beauty. (*Cyrop.* viii. 5, § 28.)

from Plutarch,<sup>10</sup> Ammianus Marcellinus,<sup>11</sup> and others. The Arian races seem in old times to have treated women with a certain chivalry, which allowed the full development of their physical powers, and rendered them specially attractive alike to their own husbands and to the men of other nations.



Arian Physlognomy (Persepolis).

The modern Persian is a very degenerate representative of the ancient Arian stock. Slight and supple in person, with

<sup>10</sup> Plut. *Vit. Alexand.* p. 676, D.

<sup>11</sup> Amm. Marc. xxiv. 14. "Ex vir-  
ginivus, quæ speciosæ sunt captæ, ut in

Perside, ubi *feminarum pulchritudo excellit.*" Compare Quint. Curt. iii. 11: Arrian, *Exp. Alex.* ix. 19, &c.

quick, glancing eyes, delicate features, and a vivacious manner, he lacks the dignity and strength, the calm repose and simple grace of the race from which he is sprung. Fourteen centuries of subjection to despotic sway have left their stamp upon his countenance and his frame, which, though still retaining some traces of the original type, have been sadly weakened and lowered by so long a term of subservience. Probably the wild Kurd or Lur of the present day more nearly corresponds in physique to the ancient Mede than do the softer inhabitants of the great plateau.

Among the moral characteristics of the Medes, the one most obvious is their bravery. "*Pugnatrix natio et formidanda*," says Ammianus Marcellinus in the fourth century of our era, summing up in a few words the general judgment of Antiquity.<sup>12</sup> Originally equal, if not superior, to their close kindred, the Persians, they were throughout the whole period of Persian supremacy only second to them in courage and warlike qualities. Mardonius, when allowed to take his choice out of the entire host of Xerxes, selected the Median troops in immediate succession to the Persians.<sup>1</sup> Similarly, when the time for battle came he kept the Medes near himself, giving them their place in the line close to that of the Persian contingent.<sup>2</sup> It was no doubt on account of their valour, as Diodorus suggests,<sup>3</sup> that the Medes were chosen to make the first attack upon the Greek position at Thermopylæ, where, though unsuccessful, they evidently showed abundant courage.<sup>4</sup> In the earlier times, before riches and luxury had eaten out the strength of the race, their valour and military prowess must have been even more conspicuous. It was then especially that Media deserved to be called, as she is in Scripture, "*the mighty one of the heathen*"<sup>5</sup> — "*the terrible of the nations.*"<sup>6</sup>

Her valour, undoubtedly, was of the merciless kind. There was no tenderness, no hesitancy about it. Not only did her armies "dash to pieces" the fighting men of the nations opposed

<sup>12</sup> Amm. Marc. xxiii. 6. Compare Nic. Dam. Fr. 9; Diod. Sic. xi. 6; Herod. i. 95; &c.

<sup>1</sup> Herod. viii. 113.

<sup>2</sup> Ibid. ix. 31.

<sup>3</sup> Diod. Sic. xi. 6, § 3. Δι' ἀνδρείαν προ-  
ερίπας αὐτοῦς.

<sup>4</sup> See Herod. vii. 210.

<sup>5</sup> Ezek. xxxi. 11. <sup>6</sup> Ibid. verse 12.

to her, allowing apparently no quarter,<sup>7</sup> but the women and the children suffered indignities and cruelties at the hands of her savage warriors, which the pen unwillingly records. The Median conquests were accompanied by the worst atrocities which lust and hate combined are wont to commit when they obtain their full swing. Neither the virtue of women nor the innocence of children were a protection to them. The infant was slain before the very eye of the parent. The sanctity of the hearth was invaded, and the matron ravished beneath her own roof-tree.<sup>8</sup> Spoil, it would seem, was disregarded in comparison with insult and vengeance; and the brutal soldiery cared little either for silver or gold,<sup>9</sup> provided they could indulge freely in that thirst for blood which man shares with the hyæna and the tiger.

The habits of the Medes in the early part of their career were undoubtedly simple and manly. It has been observed with justice that the same general features have at all times distinguished the rise and fall of Oriental kingdoms and dynasties. A brave and adventurous prince, at the head of a population at once poor, warlike, and greedy, overruns a vast tract, and acquires extensive dominion, while his successors, abandoning themselves to sensuality and sloth, probably also to oppressive and irascible dispositions, become in process of time victims to those same qualities in another prince and people, which had enabled their own predecessors to establish their power.<sup>10</sup> It was as being braver, simpler, and so stronger than the Assyrians, that the Medes were able to dispossess them of their sovereignty over western Asia. But in this, as in most other cases of conquest throughout the East, success was followed almost immediately by degeneracy. As captive Greece captured her fierce conqueror,<sup>11</sup> so the subdued Assyrians began at once to corrupt their subduers. Without condescending to a close imitation of Assyrian manners and customs, the Medes proceeded directly

<sup>7</sup> Isaiah xlii. 15 and 18.

<sup>8</sup> Ibid. verse 16. "Their children also shall be dashed to pieces before their eyes; their houses shall be spoiled, and their wives ravished."

<sup>9</sup> See verse 17.

<sup>10</sup> Grote, *History of Greece*, vol. iii. p. 157, 2nd ed.

<sup>11</sup> Horat. *Epist.* ii. 1, 156. "Græcia capta ferum victorem cepit."

after their conquest to relax the severity of their old habits and to indulge in the delights of soft and luxurious living. The historical romance of Xenophon presents us probably with a true picture when it describes the strong contrast which existed towards the close of the Median period between the luxury and magnificence which prevailed at Ecbatana, and the primitive simplicity of Persia Proper,<sup>12</sup> where the old Arian habits, which had once been common to the two races, were still maintained in all their original severity. Xenophon's authority in this work is, it must be admitted, weak, and little trust can be placed in the historical accuracy of his details; but his general statement is both in itself probable, and is also borne out to a considerable extent by other authors. Herodotus and Strabo note the luxury of the Median dress,<sup>13</sup> while the latter author goes so far as to derive the whole of the later Persian splendour from an imitation of Median practices.<sup>14</sup> We must hold then that towards the latter part of their empire the Medes became a comparatively luxurious people, not indeed laying aside altogether their manly habits, nor ceasing to be both brave men and good soldiers, but adopting an amount of pomp and magnificence to which they were previously strangers, affecting splendour in their dress and apparel, grandeur and rich ornament in their buildings,<sup>15</sup> variety in their banquets,<sup>16</sup> and attaining on the whole a degree of civilisation not very greatly inferior to that of the Assyrians. In taste and real refinement they seem indeed to have fallen considerably below their teachers. A barbaric magnificence predominated in their ornamentation over artistic effort, richness in the material being preferred to skill in the manipulation. Literature, and even letters, were very sparingly cultivated.<sup>17</sup> But little originality was developed. A stately dress, and a new style of architec-

<sup>12</sup> Xen. *Cyrop.* i. 3, § 2, et seq.

<sup>13</sup> Herod. i. 135; Strab. xi. 13, § 9.

<sup>14</sup> Strab. i. s. c.

<sup>15</sup> See above, p. 265.

<sup>16</sup> Xen. *Cyrop.* i. 3, § 4. Παιροδανὰ ἰμβήματα καὶ βρώματα.

<sup>17</sup> The use of writing by the Medes is indicated in the Book of Daniel (vi. 9). The existence of a Median literature

seems to be implied by the mention in Esther of the "book of the chronicles of the kings of Media and Persia" (x. 2). The actual work alluded to may perhaps have been a Persian compilation; but the Persian writer would scarcely have ventured to write the "chronicles of the kings of Media," unless he had Median materials to go upon.

ture, are almost the only inventions to which the Medes can lay claim. They were brave, energetic, enterprising, fond of display, capable of appreciating to some extent the advantages of civilised life; but they had little genius, and the world is scarcely indebted to them for a single important addition to the general stock of its ideas.

Of the Median customs in war we know but little. Herodotus tells us that in the army of Xerxes the Medes were armed exactly as the Persians, carrying on their heads a soft felt cap, on their bodies a sleeved tunic, and on their legs trousers. Their offensive arms, he says, were the spear, the bow, and the dagger. They had large wicker shields, and bore their quivers suspended at their backs. Sometimes their tunic was made into a coat of mail by the addition to it on the outside of a number of small iron plates arranged so as to overlap each other, like the scales of a fish.<sup>1</sup> They served both on horseback and on foot, with the same equipment in both cases.<sup>2</sup>

There is no reason to doubt the correctness of this description of the Median military dress under the early Persian kings. The only question is how far the equipment was really the ancient warlike costume of the people. It seems in some respects too elaborate to be the armature of a simple and primitive race. We may reasonably suppose that at least the scale armour and the unwieldy wicker shields (*γέγρα*), which required to be rested on the ground,<sup>3</sup> were adopted at a somewhat late date from the Assyrians. At any rate the original character of the Median armies, as set before us in Scripture,<sup>4</sup> and as indicated both by Strabo<sup>5</sup> and Xenophon,<sup>6</sup> is simpler than the Herodotean description. The primitive Medes seem to have been a nation of horse-archers.<sup>7</sup> Trained from their early boyhood to a variety of equestrian exercises,<sup>8</sup> and well

<sup>1</sup> Herod. vii. 61. On the scale armour of the Assyrians, see above, vol. i. pp. 431-433, and 441-444. On that of the Egyptians, see Wilkinson in the author's *Herodotus*, vol. iv. p. 65, 2nd edit.

<sup>2</sup> Herod. vii. 86.

<sup>3</sup> See above, vol. i. pp. 444-446; and compare Herod. ix. 62; Xen. *Anab.* i. 8, § 9, &c.

<sup>4</sup> Compare Isaiah xlii. 18; Jerem. l. 9, 29, li. 11, &c.

<sup>5</sup> Strab. xi. 13, § 9.

<sup>6</sup> Xen. *Cyrop.* ii. 1, § 6.

<sup>7</sup> Of course the Medes had always some footmen, but their strength was in their horse. I do not believe in their using chariots. (Nic. D. Fr. 10.)

<sup>8</sup> Xen. *Cyrop.* i. 4, § 4. Compare

practised in the use of the bow, they appear to have proceeded against their enemies with clouds of horse, almost in Scythian fashion, and to have gained their victories chiefly by the skill with which they shot their arrows as they advanced, retreated, or manœuvred about their foe. No doubt they also used the sword and the spear. The employment of these weapons has been almost universal throughout the East from a very remote antiquity, and there is some mention of them in connection with the Medes and their kindred, the Persians, in Scripture;<sup>9</sup> but it is evident that the terror which the Medes inspired arose mainly from their dexterity as archers.<sup>10</sup>

No representation of weapons which can be distinctly recognised as Median has come down to us. The general character of the military dress and of the arms appears, probably, in the Persepolitan sculptures; but as these reliefs are in most cases representations, not of Medes, but of Persians, and as they must be hereafter adduced in illustration of the military customs of the latter people, only a very sparing use of them can be made in the present chapter. It would seem that the bow employed was short, and very much curved, and that, like the Assyrian,<sup>11</sup> it was usually carried in a bow-case, which might either be slung at the back, or hung from the girdle. The arrows, which were borne in a quiver slung behind the right shoulder, must have been short, certainly not



Mede or Persian carrying a Bow in its case (Persepolis).

Strabo, who says (l. s. c.) that the famous Persian educational system was wholly copied from the Median.

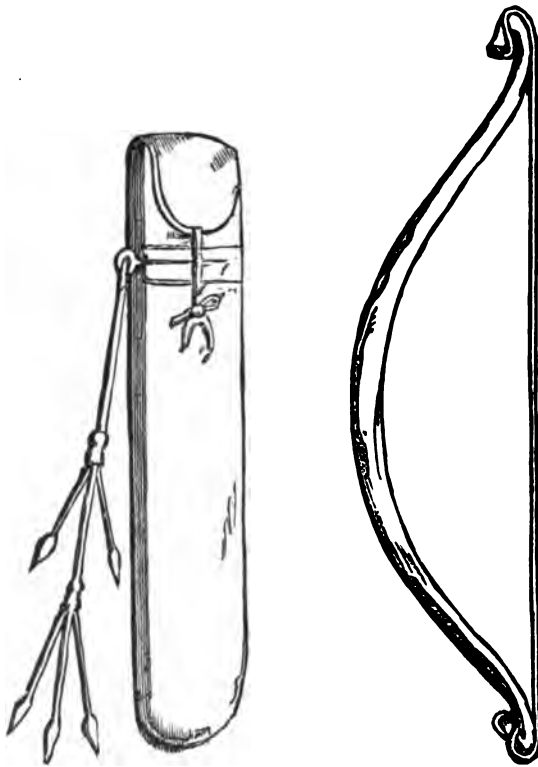
<sup>9</sup> The sword is mentioned in connection with the Medes and Persians in Jeremiah l. 35-37. "The bow and the spear" are united in vi. 23, and again in l. 42.

<sup>10</sup> The fame of the Medes as archers passed on to the Persians, and even to the Parthians, who with the tastes inherited the name of the earlier people. Hence the "horribilis Medus" (Hor. *Od.* i. 29, 4) and the "Medi pharetra decori" of Horace (*Od.* ii. 16, 6).

<sup>11</sup> Supra, vol. i. p. 451.

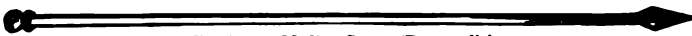


exceeding the length of three feet. The quiver appears to have been round; it was covered at the top, and was fastened by means of a flap and strap, which last passed over a button.



Bow and Quiver (Persepolis).

The Median spear or lance was from six to seven feet in length. Its head was lozenge-shaped and flattish, but strengthened by a



Persian or Median Spear (Persepolis).

bar or line down the middle.<sup>12</sup> It is uncertain whether the head was inserted into the top of the shaft, or whether it did not

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<sup>12</sup> Compare the Assyrian spear-heads, vol. i. p. 457.

rather terminate in a ring or socket into which the upper end of the shaft was itself inserted. The shaft tapered gradually from bottom to top, and terminated below in a knob or ball, which was perhaps sometimes carved into the shape of some natural object.<sup>13</sup>

The sword was short, being in fact little more than a dagger.<sup>14</sup> It depended at the right thigh from a belt which encircled the waist, and was further secured by a strap attached to the bottom of the sheath, and passing round the soldier's right leg a little above the knee.



Shield of a Warrior  
(Persepolis).

Median shields were probably either round or oval. The oval specimens bore a resemblance to the shield of the Bœotians, having a small oval aperture at either side, apparently for the sake of greater lightness. They were strengthened at the centre by a circular boss or disk, ornamented with knobs or circles. They would seem to have been made either of metal or wood.



Median Robe (Persepolis).

The favourite dress of the Medes in peace is well known to us from the sculptures. There can be no reasonable doubt that the long flowing robe so remarkable for its graceful folds, which is the garb of the kings, the chief nobles, and the officers of the court in all the Persian bas-reliefs, and which is seen also upon the darics and the gems, is the famous "Median garment" of Herodotus, Xenophon, and Strabo.<sup>1</sup> This garment fits the chest and shoulders closely, but falls over the arms in two large loose sleeves, open at the bottom. At the waist it is confined by

<sup>13</sup> The lower end of the Persian spears terminated frequently in an apple or pomegranate (Herod. vii. 41; Athen. *Deipn.* xii. p. 514, B). According to Clearchus of Soli, this practice was adopted by the Persians from the Medes

and was intended as a reproach to the latter for their unmanly luxury. (Athen. p. 514, D.)

<sup>14</sup> So Xenophon calls the Persian sword, μάχαραν ἢ κοπίδα. (*Cyrop.* i. 2, § 13.)

<sup>1</sup> Ἑσθῆς Μηδική. Herod. i. 135; vii.

a cincture. Below it is remarkably full and ample, drooping in two clusters of perpendicular folds at the two sides, and between these hanging in festoons like a curtain. It extends down to the ankles, where it is met by a high shoe or low boot, opening in front, and secured by buttons.



Median Shoe (Persepolis).

These Median robes were of many colours. Sometimes they were purple, sometimes scarlet, occasionally a dark grey, or a deep crimson.<sup>2</sup> Procopius says that they were made of silk,<sup>3</sup> and this statement is confirmed to some extent by Justin, who speaks of their transparency.<sup>4</sup> It may be doubted, however, whether the material was always the same; probably it varied with the season, and also with the wealth of the wearer.

Besides this upper robe, which is the only garment shown in the sculptures, the Medes wore as under garments a sleeved shirt or tunic of a purple colour,<sup>5</sup> and embroidered drawers or trousers.<sup>6</sup> They covered the head, not only out of doors, but in their houses,<sup>7</sup> wearing either felt caps (*πίλοι*) like



Median Head-dress (Persepolis).

116; *Στολή Μηδική*. Xen. *Cyrop.* viii. 8, § 15; *Στολή Περσική*, Strab. xi. 13, § 9. This, Strabo expressly says, was adopted from the Medes.

<sup>2</sup> Xen. *Cyrop.* viii. 3, § 3. Ἐξέφερε δὴ καὶ ἄλλας Μηδικὰς στολὰς· παντόλλας γὰρ παρεσκευάσατο, οὐδὲν φειδόμενος, οὔτε πορφυρίδων, οὔτε ὀρφνίων, οὔτε φοινικίδων οὔτε καρυκίων ἱματίων. Another kind of Median robe, called *sarapis*, seems to have been striped alternately white and purple. (Compare Pollux, vii. 13, with Hesychius ad voc. *σάραπης*.)

<sup>3</sup> Procop. *De Bell. Pers.* i. 20, p. 106, C. Silken fabrics were manufactured by the Greeks from the middle of the fourth century B.C. (Aristot. *Hist. An.* v. 19.) They probably imported the

raw silk from Asia, where the material was in use from a very early time. The Parthian standards were of silk (Florus, iii. 11); and there can be little doubt that the looms of China, India, and Cashmere produced rich silken fabrics from a remote period, which were exported into the neighbouring countries of Media and Persia.

<sup>4</sup> Justin says of the Parthians: "Vestis olim sui moris; posteaquam accessere opes, ut *Medis, perlucida ac fluida*" (xli. 2).

<sup>5</sup> See Xen. *Anab.* i. 5, § 8, and compare *Cyrop.* i. 3, § 2.

<sup>6</sup> Ποικίλας ἀναξυρίδας. Xen. *Anab.* i. s. c. Compare Strab. xi. 13, § 9.

<sup>7</sup> Strab. i. s. c.; Herod. iii. 12.

the Persians, or a head-dress of a more elaborate character, which bore the name of *tiara* or *cidaris*.<sup>8</sup> This appears to have been, not a turban, but rather a kind of high-crowned hat, either stiff or flexible, made probably of felt or cloth, and dyed of different hues, according to the fancy of the owner.

The Medes took a particular delight in the ornamentation of their persons. According to Xenophon, they were acquainted with most of the expedients by the help of which vanity attempts to conceal the ravages of time and to create an artificial beauty. They employed cosmetics, which they rubbed into the skin, for the sake of improving the complexion.<sup>9</sup> They made use of an abundance of false hair.<sup>10</sup> Like many other Oriental nations, both ancient and modern, they applied dyes to enhance the brilliancy of the eyes,<sup>11</sup> and give them a greater apparent size and softness. They were also fond of wearing golden ornaments. Chains or collars of gold usually adorned their necks, bracelets of the same precious metal encircled their wrists,<sup>12</sup> and earrings were inserted into their ears.<sup>13</sup> Gold was also used in the caparisons of their horses, the bit and other parts of the harness being often of this valuable material.<sup>14</sup>



A Mede or Persian wearing a Collar and Earrings (Persepolis).

We are told that the Medes were very luxurious at their banquets. Besides plain meat and game of different kinds, with the ordinary accompaniments of wine and bread, they were accustomed to place before their guests a vast number of side-dishes, together with a great variety of sauces.<sup>15</sup> They ate with

<sup>8</sup> Strictly speaking, these words are not synonyms. The name *tiara* was generic, applying to all the tall caps; while *cidaris* or *citaris* was specific, being properly applied to the royal head-dress only. (See Brissson, *De Regn. Pers.* ii. pp. 309-312.)

<sup>9</sup> Χρῆματος ἐντριψις. (Xen. *Cyrop.* i. 3, § 2.)

<sup>10</sup> Χόμαι πρόσθετοι. (Ibid.)

<sup>11</sup> Ὀφθαλμῶν ὑπογραφή. (Ibid.) This practice is ascribed to Sardanapalus (Nic. Dam. Fr. 8; Athen. *Deipn.* xii. 7, p. 529, A.; Diod. Sic. ii. 23); and again to Na-

narus the Babylonian (Nic. Dam. Fr. 10). It seems to have been adopted from the Medes by the Persians. (Xen. *Cyrop.* viii. 8, § 20.)

<sup>12</sup> Strab. i. s. c.; Xen. *Cyrop.* i. 3, § 2.

<sup>13</sup> Earrings commonly accompany the Median dress on the Persepolitan sculptures. They are mere plain rings without any pendant. See the above woodcut. Nicolas of Damascus assigns earrings (ἐλάβετα) to Nanarus, a satrap under the Medes. (Fr. 10.)

<sup>14</sup> Xen. *Cyrop.* i. 3, § 3.

<sup>15</sup> Ibid. § 4.

the hand, as is still the fashion in the East, and were sufficiently refined to make use of napkins.<sup>16</sup> Each guest had his own dishes, and it was a mark of special honour to augment their number.<sup>17</sup> Wine was drunk both at the meal and afterwards, often in an undue quantity; and the close of the feast was apt to be a scene of general turmoil and confusion.<sup>18</sup> At the Court it was customary for the king to receive his wine at the hands of a cupbearer, who first tasted the draught, that the king might be sure it was not poisoned, and then presented it to his master with much pomp and ceremony.<sup>19</sup>

The whole ceremonial of the court seems to have been imposing. Under ordinary circumstances the monarch kept himself secluded, and no one could obtain admission to him unless he formally requested an audience, and was introduced into the royal presence by the proper officer.<sup>1</sup> On his admission he prostrated himself upon the ground with the same signs of adoration which were made on entering a temple.<sup>2</sup> The king, surrounded by his attendants, eunuchs, and others, maintained a haughty reserve, and the stranger only beheld him from a distance. Business was transacted in a great measure by writing. The monarch rarely quitted his palace, contenting himself with such reports of the state of his empire as were transmitted to him from time to time by his officers.<sup>3</sup>

The chief amusement of the court, in which however the king rarely partook,<sup>4</sup> was hunting. Media always abounded in beasts of chase;<sup>5</sup> and lions, bears, leopards, wild boars, stags, gazelles, wild sheep, and wild asses are mentioned among the animals hunted by the Median nobles.<sup>6</sup> Of these the first four

<sup>16</sup> *Χειρόμακτρα*. (Xen. *Cyrop.* i. 3, § 5.)

<sup>17</sup> *Ibid.* § 6.

<sup>18</sup> See the description in Xenophon. (*Cyrop.* i. 3, § 10.) Compare the Persian practice. (Herod. i. 133.)

<sup>19</sup> *Cyrop.* i. 3, § 8.

<sup>1</sup> Herod. i. 99. Compare Nic. Dam. Fr. 66. (Fr. *Hist. Gr.* vol. iii. p. 402.)

<sup>2</sup> Strab. l. 8. c. Σεβασμὸς θεοπρεπὴς εἰς τοὺς Πέρσας κατὰ Μήδων ἀφίεται.

<sup>3</sup> This, at least, is the account of Herodotus (i. 100). But it may be doubted whether he does not somewhat over-state the degree of seclusion affected by the

Median kings. Certainly neither Xenophon in his *Cyropædia*, nor Ctesias in the fragments which remain of his writings, appears to hold such extreme views on the subject as "the Father of History."

<sup>4</sup> Herodotus's account would necessarily imply this. Xenophon furnishes no contradiction; for he does not make the king hunt in person.

<sup>5</sup> See above, p. 295.

<sup>6</sup> Xen. *Cyrop.* i. 4, § 7. Nicolas of Damascus mentions the wild boars, the stags, and the wild asses. (Fr. 10.)

were reckoned dangerous, the others harmless.<sup>7</sup> It was customary to pursue these animals on horseback, and to aim at them with the bow or the javelin. We may gather a lively idea of some of these hunts from the sculptures of the Parthians, who some centuries later inhabited the same region. We see in these the rush of great troops of boars through marshes dense with water-plants, the bands of beaters urging them on, the sportsmen aiming at them with their bows, and the game falling transfixed with two or three well-aimed shafts.<sup>8</sup> Again we see herds of deer driven within enclosures, and there slain by archers who shoot from horseback, the monarch under his parasol looking on the while, pleased with the dexterity of his servants.<sup>9</sup> It is thus exactly that Xenophon portrays Astyages as contemplating the sport of his courtiers, complacently viewing their enjoyment, but taking no active part in the work himself.<sup>10</sup>

Like other Oriental sovereigns, the Median monarch maintained a seraglio of wives and concubines;<sup>11</sup> and polygamy was commonly practised among the more wealthy classes. Strabo speaks of a strange law as obtaining with some of the Median tribes—a law which required that no man should be content with fewer wives than five.<sup>12</sup> It is very unlikely that such a burthen was really made obligatory on any: most probably five legitimate wives, and no more, were allowed by the law referred to, just as four wives, and no more, are lawful for Mahometans. Polygamy, as usual, brought in its train the cruel practice of castration; and the court swarmed with eunuchs, chiefly foreigners purchased in their infancy.<sup>13</sup> Towards the close of the Empire this despicable class appears to have been all-powerful with the monarch.<sup>14</sup>

Thus the tide of corruption gradually advanced; and there

<sup>7</sup> Xen. *Cyrop.* i. s. c.

<sup>8</sup> See the engraving in Ker Porter's *Travels*, vol. ii. opp. p. 175, or the more carefully drawn representation in Flandin's *Voyage en Perse*, tom. i. Pl. 10.

<sup>9</sup> Ker Porter, vol. ii. opp. p. 177; Flandin, tom. i. Pl. 12.

<sup>10</sup> Xen. *Cyrop.* i. 4, § 15. Ἐθεῶτο τοὺς ἀμιλλομένους ἐπὶ τὰ θηρία, καὶ φιλονεικοῦντας, καὶ δαΐκοντας, καὶ ἀκορτίζοντας.

<sup>11</sup> Strab. xi. 13, § 11. Compare Nicolas of Damascus, Fr. 66 (*Fr. Hist. Gr.* vol. iii. p. 403).

<sup>12</sup> Strab. i. s. c.

<sup>13</sup> Clearch. Sol. ap. Athen. *Deipn.* xii. 2, p. 514, D.

<sup>14</sup> Nic. Dam. Fr. 66 (*Fr. Hist. Gr.* vol. iii. pp. 398 and 402).

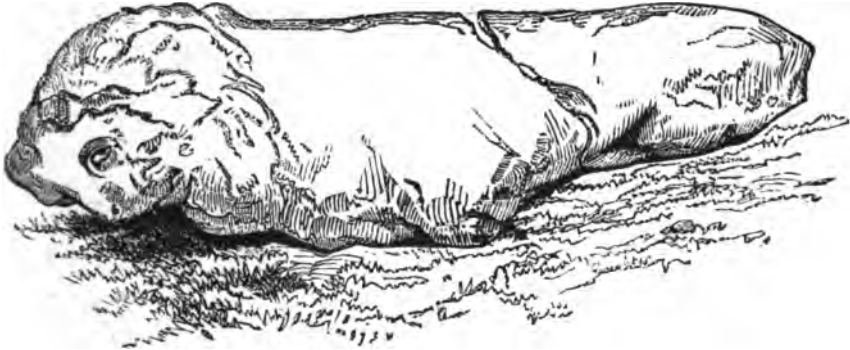
is reason to believe that both court and people had in a great measure laid aside the hardy and simple customs of their forefathers, and become enervated through luxury, when the revolt of the Persians came to test the quality of their courage, and their ability to maintain their empire. It would be improper in this place to anticipate the account of this struggle, which must be reserved for the historical chapter; but the well-known result — the speedy and complete success of the Persians — must be adduced among the proofs of a rapid deterioration in the Median character between the accession of Cyaxares and the capture — less than a century later — of Astyages.

We have but little information with respect to the state of the arts among the Medes. A barbaric magnificence characterised, as has been already observed, their architecture, which differed from the Assyrian in being dependent for its effect on groups of pillars rather than on painting or sculpture. Still sculpture was, it is probable, practised to some extent by the Medes, who, it is almost certain, conveyed on to the Persians those modifications of Assyrian types which meet us everywhere in the remains of the Achæmenian monarchs. The carving of winged genii, of massive forms of bulls and lions, of various grotesque monsters, and of certain clumsy representations of actual life, imitated from the bas-reliefs of the Assyrians, may be safely ascribed to the Medes; since, had they not carried on the traditions of their predecessors, Persian art could not have borne the resemblance that it does to Assyrian. But these first mimetic efforts of the Arian race have almost wholly perished, and there scarcely seems to remain more than a single fragment which can be assigned on even plausible grounds to the Median period. A portion of a colossal lion, greatly injured by time, is still to be seen at Hamadan, the site of the great Median capital, which the best judges regard as anterior to the Persian period, and as therefore most probably Median.<sup>1</sup> It consists of the head and body of the animal, from which the four legs and the tail have been broken off, and measures between eleven and twelve feet from the crown of the head to the point from which

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<sup>1</sup> Flandin, *Voyage en Perse*, p. 17. Sir H. Rawlinson is of the same opinion.

the tail sprang. By the position of the head and of what remains of the shoulders and thighs, it is evident that the animal was represented in a sitting posture, with the fore legs straight and the hind legs gathered up under it. To judge of the feeling and general character of the sculpture is difficult, owing to the worn and mutilated condition of the work ; but we



Colossal Lion (Ecbatana).

seem to trace in it the same air of calm and serene majesty that characterises the colossal bulls and lions of Assyria, together with somewhat more of expression and of softness than are seen in the productions of that people. Its posture, which is unlike that of any Assyrian specimen, indicates a certain amount of originality as belonging to the Median artists, while its colossal size seems to show that the effect on the spectator was still to be produced, not so much by expression, finish, or truth to nature, as by mere grandeur of dimension.



## CHAPTER IV.

## RELIGION.

'Ἀριστοτέλης φησὶ δύο κατ' αὐτοὺς εἶναι ἀρχὰς, ἀγαθὸν δαίμονα καὶ κακὸν δαίμονα· καὶ τῷ μὲν ὄνομα εἶναι Ζεὺς καὶ Ὀρομάσδης, τῷ δὲ Ἄδης καὶ Ἀρειμάνιος. — DIOG. LAERT. *Proem.* p. 2.

THE earliest form of the Median religion is to be found in those sections of the Zendavesta<sup>1</sup> which have been pronounced on internal evidence to be the most ancient portions<sup>2</sup> of that venerable compilation; as, for instance, the first Fargard of the Vendidad, and the Gâthâs, or "Songs,"<sup>3</sup> which occur here and

<sup>1</sup> The Zend-Avesta, or sacred volume of the Parsees, which has now been printed both by Westergaard (1852-1854) and Spiegel (1851-1858), and translated into German by the latter, is a compilation for liturgical purposes from various older works which have been lost. It is composed of eight pieces or books, entitled Yaçna, Visporatu or Visparad, Vendidad, Yashts, Nyâyish, Afrigâns, Gâhs, Sirozah. It is written in the old form of Arian speech called the Zend, a language closely cognate to the Sanscrit of the Vedas and to Achæmenian Persian, or the Persian of the Cuneiform inscriptions. A Pehlevi translation of the more important books, made probably under the Sassanidæ (A.D. 235-640) is extant, and a Sanscrit translation of the Yaçna, made about the end of the fifteenth century by a certain Neriosengh. The celebrated Frenchman, Anquetil du Perron, first acquainted the learned of Europe with this curious and valuable compilation. His translation (Paris, 1771), confused in its order, and often very incorrect, is now antiquated; and students unacquainted with Zend will do well to have recourse to Spiegel, who, however, is far from a perfect translator. The best Zend scholars have as yet attempted versions of some portions of the Zendavesta only — as

Burnouf of the first and ninth chapters of the Yaçna (*Commentaire sur le Yança*, Paris, 1833; and the *Journal asiatique* for 1844-1846), and Martin Haug of the Gâthâs (2 vols., Leipzig, 1858-1860), and other fragments (*Essays on the Sacred Language, Writings, and Religion of the Parsees*, Bombay, 1862). Professor Westergaard of Copenhagen is understood to be engaged upon a complete translation of the whole work into English. When this version appears, it will probably leave little to be desired.

The word "Zend-Avesta," introduced into the languages of Europe by Du Perron, is incorrect. The proper form is "Avesta-Zend," which is the order always used in the Pehlevi books. This word, "Avesta-Zend," is a contraction of *Avesta u Zend*, "Avesta and Zend," i.e. Text and Comment. *Avesta* (*avasthâ*) means "text, scripture;" its Pehlevi form is *apistak*, and it is cognate with the late Sanscrit and Mahratta *pustak*, "book." *Zend* (*zand*) is "explanation, comment." (See Haug's *Essays*, pp. 120-122; and compare Bunsen's *Egypt*, vol. iii. p. 474, note.)

<sup>2</sup> Haug, *Essays*, pp. 50-116; Bunsen, *Egypt*, vol. iii. p. 476.

<sup>3</sup> It was doubted for some time whether the Gâthâs were really "songs." Brockhaus said in 1850, "Jusqu'ici je n'ai pu

there in the *Yaçna*, or Book on Sacrifice.<sup>4</sup> In the *Gâthâs*, which belong to a very remote era indeed,<sup>5</sup> we seem to have the first beginnings of the Religion. We may indeed go back by their aid to a time anterior to themselves—a time when the Arian race was not yet separated into two branches, and the Easterns and Westerns, the Indians and Iranians, had not yet adopted the conflicting creeds of Zoroastrianism and Brahminism. At that remote period we seem to see prevailing a polytheistic nature-worship—a recognition of various divine beings, called indifferently *Asuras* (*Ahuras*),<sup>6</sup> or *Devas*,<sup>7</sup> each independent of the rest, and all seemingly nature-powers rather than persons, whereof the chief are Indra, Storm or Thunder; Mithra, Sunlight; Aramati (*Armaiti*),<sup>8</sup> Earth; Vayu, Wind; Agni, Fire; and Soma (*Homa*), Intoxication. Worship is conducted by priests, who are called *kavi*, “seers;” *karapani*, “sacrificers,” or *riçikhs*, “wise men.”<sup>9</sup> It consists of hymns in honour of the gods; sacrifices, bloody and unbloody, some portion of which is burnt upon an altar; and a peculiar ceremony, called that of Soma, in which an intoxicating liquor is offered to the gods; and then consumed by the priests, who drink till they are drunken.

Such, in outline, is the earliest phase of Arian religion, and it is common to both branches of the stock, and anterior to

découvrir la moindre trace de mesure dans les morceaux que l'on peut regarder comme des *Gâthâs*.” (*Vendidad-Sadé*, p. 357, ad voc. *gâtha*.) But Haug has shown distinctly, not only that they are metrical, but that the metres are of the same nature as those which are found in the Vedic hymns. (*Essays*, pp. 136–138.) And Westergaard has shown by his mode of printing that he regards them as metrical.

<sup>4</sup> *Yaçna* in Zend is equivalent to *yajna* in Sanscrit, and means “sacrifice.” The *Yaçna* consists chiefly of prayers, hymns, &c., relating to sacrificial rites, and intended to be used during the performance of sacrifice.

<sup>5</sup> Traditionally, several of the *Gâthâs* are ascribed to Zoroaster, whose date was anterior to B.C. 2000 according to Berosus, and whom other writers place still earlier. (See Aristot. ap. Diog.

Laert. Pref. 6; Plin. *H. N.* xxx. 1; Her-mipp. Fr. 79; Xan. Lyd. Fr. 29, &c.) Their style shows them to be considerably anterior to the first Fargard of the *Vendidad*, which must have been composed before the great migration of the Medes southward from the Caspian region. Haug is inclined to date the Zoroastrian *Gâthâs* as early as the time of Moses. (*Essays*, p. 255.)

<sup>6</sup> The Sanscrit *s* is replaced most commonly by *h* in Zend. *Asura* or *ahura* is properly an adjective meaning “living.” But it is ordinarily used as a substantive, and means “divine or celestial being.”

<sup>7</sup> The word *deva* is clearly cognate to the Latin *Deus*, *Divus*, Lithuanian *dievas*, Greek *Zeús* or *Ἄεús*, &c. In modern Persian it has become *div*.

<sup>8</sup> *Aramati* is the Sanscrit, *Armaiti* the Zend form.

<sup>9</sup> Haug, *Essays*, pp. 245–247.

the rise of the Iranic, Median, or Persian system. That system is a revolt from this sensuous and superficial nature-worship. It begins with a distinct recognition of spiritual intelligences — real persons — with whom alone, and not with powers, religion is concerned. It divides these intelligences into good and bad, pure and impure, benignant and malevolent. To the former it applies the term *Asuras* (*Ahuras*), "living" or "spiritual beings," in a good sense; to the latter, the term *Devas*, in a bad one. It regards the "powers" hitherto worshipped as chiefly *Devas*; but it excepts from this unfavorable view a certain number, and, recognising them as *Asuras*, places them among the *Izeds*, or "angels." Thus far it has made two advances, each of great importance, the substitution of real "persons" for "powers," as objects of the religious faculty, and the separation of the persons into good and bad, pure and impure, righteous and wicked. But it does not stop here. It proceeds to assert, in a certain sense, monotheism against polytheism. It boldly declares that, at the head of the good intelligences, is a single great Intelligence, *Ahurô-Mazdâo*,<sup>10</sup> the highest object of adoration, the true Creator, Preserver, and Governor of the universe. This is its great glory. It sets before the soul a single Being as the source of all good and the proper object of the highest worship. *Ahurô-Mazdâo* is "the creator of life, the earthly and the spiritual;"<sup>11</sup> he has made "the celestial bodies,"<sup>12</sup> "earth, water, and trees,"<sup>13</sup> "all good creatures,"<sup>14</sup> and "all good, true things."<sup>15</sup> He is "good,"<sup>16</sup> "holy,"<sup>17</sup> "pure,"<sup>1</sup> "true,"<sup>2</sup> "the Holy God,"<sup>3</sup> "the Holiest,"<sup>4</sup> "the essence of truth,"<sup>5</sup> "the father of all truth,"<sup>6</sup> "the best being of all,"<sup>7</sup> "the master of purity."<sup>8</sup> He is supremely "happy,"<sup>9</sup> pos-

<sup>10</sup> Great difference of opinion exists as to the meaning of this name. It has been translated "the great giver of life" (Sir H. Rawlinson's *Persian Vocabulary*, ad voc. *Auramazda*): "the living wise" (Haug, *Essays*, p. 33); "the living Creator of all" (ibid. pp. 256, 257); "the divine much-knowing" (Brockhaus, *Vendidad-Sadé*, pp. 347 and 385); and "the divine much-giving" (ibid.). Both

elements of the name were used commonly to express the idea of "a god."

<sup>11</sup> Haug, *Essays*, p. 257.

<sup>12</sup> *Yacna*, xxxi. 7.

<sup>14</sup> Ibid. xxxi. 7.

<sup>16</sup> Ibid. xli. 1.

<sup>1</sup> Ibid. xxxv. 1.

<sup>8</sup> Ibid. xliii. 5.

<sup>6</sup> Ibid. xxxi. 8.

<sup>7</sup> Ibid. xliii. 2.

<sup>9</sup> Ibid. xxxv. 3.

<sup>13</sup> Ibid. li. 7.

<sup>15</sup> Ibid. xliii. 2.

<sup>17</sup> Ibid. xliii. 4, 5.

<sup>2</sup> Ibid. xlvi. 2.

<sup>4</sup> Ibid. xlv. 5.

<sup>6</sup> Ibid. xlvii. 1.

<sup>8</sup> Ibid. xxxv. 1.

sessing every blessing, "health, wealth, virtue, wisdom, immortality."<sup>10</sup> From him comes all good to man; on the pious and the righteous he bestows not only earthly advantages, but precious spiritual gifts, truth, devotion, "the good mind," and everlasting happiness;<sup>11</sup> and as he rewards the good, so he punishes the bad, though this is an aspect in which he is but seldom represented.<sup>12</sup>

It has been said<sup>13</sup> that this conception of Ahura-mazda as the Supreme Being is "*perfectly identical* with the notion of Elohim, or Jehovah, which we find in the books of the Old Testament." This is, no doubt, an over-statement. Ahura-mazda is less spiritual and less awful than Jehovah. He is less remote from the nature of man. The very ascription to him of health (*haurvatât*) is an indication that he is conceived of as possessing a sort of physical nature.<sup>14</sup> Lucidity and brilliancy are assigned to him, not (as it would seem) in a mere metaphorical sense.<sup>15</sup> Again, he is so predominantly the author of good things, the source of blessing and prosperity, that he could scarcely inspire his votaries with any feeling of fear. Still, considering the general failure of unassisted reason to mount up to the true notion of a spiritual God, this doctrine of the early Arians is very remarkable; and its approximation to the truth sufficiently explains at once the favourable light in which its professors are viewed by the Jewish prophets,<sup>16</sup> and the favourable opinion which they form of the Jewish system.<sup>17</sup> Evidently, the Jews and Arians, when they became known to one another, recognised mutually the fact that they were worshippers of the same great Being.<sup>1</sup> Hence the favour of the Persians towards the Jews,

<sup>10</sup> Haug, *Essays*, p. 257.

<sup>11</sup> *Yagna*, xxxiv. 1; xlvii. 1, 2, &c.

<sup>12</sup> *Ibid.* xliii. 4, 5.

<sup>13</sup> Haug, *Essays*, i. s. c.

<sup>14</sup> *Haurvatât* (*Khordâd* in later Persian) is translated indifferently "health," "wholesomeness," "completeness," "prosperity." It is explained to be "the good condition in which every being of the good creation has been created by Ahura-mazda." (Haug, *Essays*, p. 177.)

<sup>15</sup> Ahura-mazda is "true, lucid, shining, the originator of all the best things,

of the spirit in nature, and of the growth in nature, of the luminaries, and of the self-shining brightness which is in the luminaries." (*Yagna*, xii. 1, Haug's Translation.) He is regarded as the source of light, which most resembles him, and he is called *qâthrô*, "having his own light." (Haug, *Essays*, p. 143, note.)

<sup>16</sup> Isaiah xlv. 28; xlv. 1-4.

<sup>17</sup> 2 Chron. xxxvi. 22, 23; Ezra i. 1-4; vi. 10, 12.

<sup>1</sup> This is clear from such passages as

and the fidelity of the Jews towards the Persians. The Lord God of the Jews being recognised as identical with Ormazd, a sympathetic feeling united the peoples. The Jews, so impatient generally of a foreign yoke, never revolted from the Persians; and the Persians, so intolerant, for the most part, of religions other than their own,<sup>2</sup> respected and protected Judaism.

The sympathy was increased by the fact that the religion of Ormazd was anti-idolatrous. In the early nature-worship, idolatry had been allowed; but the Iranic system pronounced against it from the first.<sup>3</sup> No images of Ahura-mazda, or of the Izeds, profaned the severe simplicity of an Iranic temple. It was only after a long lapse of ages, that, in connection with a foreign worship, idolatry crept in.<sup>4</sup> The old Zoroastrianism was in this respect as pure as the religion of the Jews, and thus a double bond of religious sympathy united the Hebrews and the Arians.

Under the supreme God, Ahura-mazda or Ormazd, the ancient Iranic system placed (as has been already observed) a number of angels.<sup>5</sup> Some of these, as *Vohu-manô*, "the Good Mind;" *Mazda*, "the Wise" (?); and *Asha*, "the True," are scarcely distinguishable from attributes of the Divinity. Armaiti, however, the genius of the Earth, and Sraosha or Serosh, an angel, are very clearly and distinctly personified.<sup>6</sup> Sraosha is Ormazd's messenger. He delivers revelations,<sup>7</sup> shows men the paths of happiness,<sup>8</sup> and brings them the blessings which Ormazd has assigned to their share.<sup>9</sup> Another of his functions is to protect

the following:—"The Lord God of heaven hath given me (*i.e.* Cyrus) all the kingdoms of the earth, and he hath charged me to build him a house at Jerusalem, which is in Judah. Who is there among you of all his people? His God be with him, and let him go up to Jerusalem, and build the house of the Lord God of Israel—he is the God—who is in Jerusalem." (Ezra i. 2, 3.)

<sup>2</sup> See the Chapter on the Persian Religion in the "Fifth Monarchy," *Infra*, vol. iii.

<sup>3</sup> *Yaçna*, xxxii. 1, 2; xlv. 11; xlv. 11; &c.

<sup>4</sup> *Journal of the Asiatic Society*, vol.

xv. p. 159; Loftus, *Chaldaea and Susiana*, p. 378. On the first erection of statues in honour of Anaitis, see the Chapter on the Persian Religion in the third volume of this work.

<sup>5</sup> *Yazatas* or *izeds*.

<sup>6</sup> "While the Amesha Spentas," says Haug, "represent nothing but the qualities and gifts of Ahura-mazda, Sraosha seems to have been considered as a personality." (*Essays*, p. 261.) Haug even regards Armaiti as not really a person (*ibid.*).

<sup>7</sup> *Yaçna*, xliii. 12, 14; xlv. 1.

<sup>8</sup> *Ibid.* xliii. 3.

<sup>9</sup> *Ibid.* xliii. 11 and 16.

the true faith.<sup>10</sup> He is called, in a very special sense, "the friend of Ormazd,"<sup>11</sup> and is employed by Ormazd not only to distribute his gifts, but also to conduct to him the souls of the faithful, when this life is over, and they enter on the celestial scene.<sup>12</sup>

Armaiti is at once the genius of the Earth, and the goddess of Piety. The early Ormazd worshippers were agriculturists, and viewed the cultivation of the soil as a religious duty enjoined upon them by God.<sup>1</sup> Hence they connected the notion of piety with earth culture; and it was but a step from this to make a single goddess preside over the two. It is as the angel of Earth that Armaiti has most distinctly a personal character. She is regarded as wandering from spot to spot, and labouring to convert deserts and wildernesses into fruitful fields and gardens.<sup>2</sup> She has the agriculturist under her immediate protection,<sup>3</sup> while she endeavours to persuade the shepherd, who persists in the nomadic life, to give up his old habits and commence the cultivation of the soil. She is of course the giver of fertility, and rewards her votaries by bestowing upon them abundant harvests.<sup>4</sup> She alone causes all growth.<sup>5</sup> In a certain sense she pervades the whole material creation, mankind included, in whom she is even sometimes said to "reside."<sup>6</sup>

Armaiti, further, "tells men the everlasting laws, which no one may abolish"<sup>7</sup>—laws which she has learnt from converse with Ahura-mazda himself. She is thus naturally the second object of worship to the old Zoroastrian; and converts to the religion were required to profess their faith in her in direct succession to Ahura-mazda.<sup>8</sup>

From Armaiti must be carefully distinguished the *gêus urvâ*, or "soul of the earth"<sup>9</sup>—a being who nearly resembles the

<sup>10</sup> *Yaçna*, xliv. 9.

<sup>11</sup> *Ibid.* xliv. 1 and 9.

<sup>12</sup> *Ibid.* xliii. 3.

<sup>1</sup> *Ibid.* xxix. *passim*, xxxi. 9-10.

<sup>2</sup> So Haug expounds the somewhat ambiguous words of *Yaçna*, xxxi. 9. (*Essays*, p. 144, note.)

<sup>3</sup> *Yaçna*, xxxi. 10.

<sup>4</sup> *Ibid.* xxxv. 4.

<sup>5</sup> *Ibid.* xliii. 16, *ad fin.*

<sup>6</sup> *Ibid.* l. s. c.

<sup>7</sup> *Ibid.* xliii. 6.

<sup>8</sup> See the formula by which the ancient Iranians received men into their religious community, given in the 12th chapter of the *Yaçna*, § 1 to § 9.

<sup>9</sup> Literally "soul of the cow." In the poetical language of the old Iranians, the earth, which sustains all, was compared to a cow, the earliest sustainer of the family among them. (See Oxford

"*anima mundi*" of the Greek and Roman philosophers. This spirit dwells in the earth itself, animating it as a man's soul animates his body. In old times, when man first began to plough the soil, *gêus urvâ* cried aloud, thinking that his life was threatened, and implored the assistance of the archangels. They however were deaf to his entreaties (since Ormazd had decreed that there should be cultivation), and left him to bear his pains as he best could.<sup>10</sup> It is to be hoped that in course of time he became callous to them, and made the discovery that mere scratches, though they may be painful, are not dangerous.

It is uncertain whether in the most ancient form of the Iranic worship the cult of Mithra was included or no. On the one hand, the fact that Mithra is common to both forms of the Arian creed—the Indian and Iranic—would induce the belief that his worship was adopted from the first by the Zoroastrians; on the other, the entire absence of all mention of Mithra from the Gâthâs would lead us to the conclusion that in the time when they were composed his cult had not yet begun. Perhaps we may distinguish between two forms of early Iranic worship, one that of the more intelligent and spiritual—the leaders of the secession—in whose creed Mithra had no place; the other that of the great mass of followers, a coarser and more material system, in which many points of the old religion were retained, and among them the worship of the Sun-god. This lower and more materialistic school of thought probably conveyed on into the Iranic system other points also common to the Zendavesta with the Vedas, as the recognition of Airyaman (Aryaman) as a genius presiding over marriages,<sup>11</sup> of Vitrahâ as a very high angel,<sup>12</sup> and the like.

Vayu, "the Wind," seems to have been regarded as a god from the first. He appears, not only in the later portions of the Zendavesta, like Mithra and Aryaman, but in the Gâthâs them-

Essays for 1856, p. 17.) Perhaps the Greek γῆ (Dor. γᾱ) is connected etymologically with *go* or *ga*, "cattle."

<sup>10</sup> *Yaçna*, xxix.

<sup>11</sup> *Ibid.* liv.

<sup>12</sup> See Haug's *Essays*, pp. 193 and

232. In the Vedas *Vitrahâ* is one of the most frequent epithets of Indra, who would thus seem to have retained some votaries among the Iranians. It meant "killer of Vîtra," who was a demon.

selves.<sup>13</sup> His name is clearly identical with that of the Vedic Wind-god, Vâyu,<sup>14</sup> and is apparently a sister form to the *ventus*, or *wind*, of the more western Arians. The root is probably *vi*, "to go," which may be traced in *vis*, *via*, *vado*, *venio*, &c.

The ancient Iranians did not adopt into their system either Agni, "Fire" (Lat. *ignis*), or Soma (Homa), "Intoxication." Fire was indeed retained for sacrifice;<sup>15</sup> but it was regarded as a mere material agent, and not as a mysterious Power, the proper object of prayer and worship. The Soma worship,<sup>16</sup> which formed a main element of the old religion, and which was retained in Brahminism, was at the first altogether discarded by the Zoroastrians; indeed, it seems to have been one of the main causes of that disgust which split the Arian body in two, and gave rise to the new religion.<sup>17</sup> A ceremony in which it

<sup>13</sup> See *Yaçna*, lili. 6.

<sup>14</sup> *Rig-Veda Sanhita*, vol. i. pp. 5, 6, 34, 35, &c.

<sup>15</sup> *Yaçna*, xliii. 9; xlii. 8; &c.

<sup>16</sup> The Soma ceremony is one of the most striking features of the old Hindoo religion. Wilson (H. H.) speaks of it as "a singular part of their ritual" (Introduction to *Rig-Veda Sanhita*, vol. i. p. xxxvi), and describes it as follows:—"The expressed and fermented juice of the *Soma* plant was presented in ladles to the deities invoked, in what manner does not exactly appear, although it seems to have been sometimes sprinkled on the fire, sometimes on the ground, or rather on the *Kusa*, or sacred grass, strewed on the floor" (and forming the supposed seat of the deities); "and in all cases the residue was drunk by the assistants" (p. xxiii). "The only explanation," he adds, "of which it is susceptible, is the delight, as well as astonishment, which the discovery of the exhilarating, if not inebriating, properties of the fermented juice of the plant must have excited in simple minds on first becoming acquainted with its effects" (p. xxxvii). Haug says, "The early Indian tribes, as described in the ancient songs of the Vedas, never engaged themselves in their frequent predatory excursions for robbing cows, horses, sheep, &c., without having pre-

viously secured the assistance of Indra by preparing for him a solemn Soma feast. The Karapani" (priests) "dressed it in due manner, and the Kavis" (another order of priests) "composed or applied those verses which were best calculated to induce Indra to accept the invitation. The Kavis were believed to recognise by certain marks the arrival of the god. After he had enjoyed the sweet beverage, the delicious honey, and was supposed to be totally inebriated, then the Kavis promised victory. The inroads were undertaken headed by those Kavis who had previously intozicated themselves, and they appear to have been in most cases successful." (*Essays*, pp. 247, 248.) These orgies may therefore be compared with those which the Greeks celebrated in honor of Bacchus, and may throw light on the supposed Indian origin of that deity.

The Soma plant is said to be the acid *Asclepias* or *Sarcostema viminalis* (Wilson in *Rig-Veda Sanhita*, vol. i. p. 6, note\*). The important part which it holds in the Vedas will be seen by reference to Mr. Wilson's translation of the *Rig-Veda*, vol. i. pp. 6, 11, 14, 21, 25, &c., and still more by reference to Mr. Stevenson's translation of the *Sâma-Veda*, which is devoted almost entirely to its praises.

<sup>17</sup> See *Yaçna*, xxxii. 3, and xlviii. 10.



was implied that the intoxication of their worshippers was pleasing to the gods, and not obscurely hinted that they themselves indulged in similar excesses, was revolting to the religious temper of those who made the Zoroastrian reformation; and it is plain from the Gâthâs that the new system was intended at first to be entirely free from the pollution of so disgusting a practice. But the zeal of religious reformers outgoes in most cases the strength and patience of their people, whose spirit is too gross and earthly to keep pace with the more lofty flights of the purer and higher intelligence. The Iranian section of the Arians could not be weaned wholly from their beloved Soma feasts; and the leaders of the movement were obliged to be content ultimately with so far reforming and refining the ancient ceremony as to render it comparatively innocuous. The portion of the rite which implied that the gods themselves indulged in intoxication was omitted;<sup>1</sup> and for the intoxication of the priests was substituted a moderate use of the liquor, which, instead of giving a religious sanction to drunkenness, merely implied that the Soma juice was a good gift of God, one of the many blessings for which men had to be thankful.<sup>2</sup>

With respect to the evil spirits or intelligences, which, in the Zoroastrian system, stood over against the good ones, the teaching of the early reformers seems to have been less clear. The old divinities, except where adopted into the new creed, were in a general way called *Devas*, "fiends" or "devils,"<sup>3</sup> in

<sup>1</sup> Instead of pouring the liquor on the fire or on the sacred grass, where the gods were supposed to sit, the Iranian priests simply *showed* it to the fire and then drank it. (Haug, *Essays*, p. 239.)

<sup>2</sup> The restoration of the modified Soma (Homa) ceremony to the Iranian ritual is indicated in "the younger Yagna" (chs. ix. to xi.), more especially in the so-called *Homa Yasht*, a translation of which by Burnouf is appended to the *Vendidad-Sadé* of Brockhaus.

<sup>3</sup> There is, of course, no etymological connection between *deva* and "devil." *Deva* and the cognate *diu* are originally "the sky," "the air" — a meaning which *diu* often has in the Vedas. (Compare

Lat. *diuum*.) From this meaning, while *deva* passed into a general name for god, the form *diu* was appropriated to a particular god. Compare our use of the word "Heaven" in such expressions as "Heaven forbid," "Heaven bless you!") The particular god, the god of the air, appears in Greek as Ζεύς or Ἰδευς, in Latin as *Ju-piter*, in old German as *Tius*, whence our *Tuesday*. *Deva* became Lat. *deus*, *divus*, Gr. θεός, Lith. *dievas*, &c. Thus far the word had invariably a good sense. When, however, the Western Arians broke off from their brethren, and rejected the worship of their gods, whom they regarded as evil spirits, the word *deva*, which they specially applied to them, came to have an evil meaning,

contrast with the *Ahuras*, or "gods." These devas were represented as many in number, as artful, malicious, deceivers and injurers of mankind, more especially of the Zoroastrians or Ormazd-worshippers,<sup>4</sup> as inventors of spells<sup>5</sup> and lovers of the intoxicating Soma draught.<sup>6</sup> Their leading characteristics were "destroying" and "lying." They were seldom, or never, called by distinct names. No account was given of their creation, nor of the origin of their wickedness. No single superior intelligence, no great Principle of Evil, was placed at their head. Ahriman (Angrô-mainyus) does not occur in the Gâthâs as a proper name. Far less is there any graduated hierarchy of evil, surrounding a Prince of Darkness with a sort of court, antagonistic to the angelic host of Ormazd, as in the later portions of the Zendavesta and in the modern Parsee system.

Thus Dualism proper, or a belief in two uncreated and independent principles, one a principle of good and the other a principal of evil, was no part of the original Zoroastrianism. At the same time we find, even in the Gâthâs, the earliest portions of the Zendavesta, the germ out of which Dualism sprung. The contrast between good and evil is strongly and sharply marked in the Gâthâs; the writers continually harp upon it, their minds are evidently struck with this sad antithesis which colours the whole moral world to them; they see everywhere a struggle between right and wrong, truth and falsehood, purity and impurity; apparently they are blind to the evidence of harmony and agreement in the universe, discerning nothing anywhere but strife, conflict, antagonism. Nor is this all. They go a step further, and personify the two parties to the struggle. One is a "white" or holy "Spirit" (*spento mainyus*), and the other a "dark spirit" (*angro mainyus*).<sup>7</sup> But this personification is merely poetical or metaphorical, not real. The "white spirit" is not Ahura-mazda, and the "dark spirit" is not a hostile intelligence. Both resolve themselves

equivalent to our "fiend" or "devil." "Devil" is of course a mere corruption of δαίμονος: Lat. *diabolus*; Ital. *diavolo*; French *diable*; Negro, *debbel*.

<sup>4</sup> *Yaçna*, xli. 4; xxx. 6; xxxii. 5; xliv. 16; &c.

<sup>5</sup> *Ibid.* xxxii. 4.

<sup>6</sup> *Ibid.* xxxii. 3.

<sup>7</sup> See especially *Yaçna*, xlv. 2, and compare xxx. 3-6.

on examination into mere figures of speech — phantoms of poetic imagery — abstract notions, clothed by language with an apparent, not a real, personality.

It was natural that, as time went on, Dualism should develop itself out of the primitive Zoroastrianism. Language exercises a tyranny over thought, and abstractions in the ancient world were ever becoming persons.<sup>8</sup> The Iranian mind, moreover, had been struck, when it first turned to contemplate the world, with a certain antagonism ; and, having once entered this track, it would be compelled to go on, and seek to discover the origin of the antagonism, the cause (or causes) to which it was to be ascribed. Evil seemed most easily accounted for by the supposition of an evil Person ; and the continuance of an equal struggle, without advantage to either side, which was what the Iranians thought they beheld in the world that lay around them, appeared to them to imply the equality of that evil Person with the Being whom they rightly regarded as the author of all good. Thus Dualism had its birth. The Iranians came to believe in the existence of two co-eternal and co-equal Persons, one good and the other evil, between whom there had been from all eternity a perpetual and never-ceasing conflict, and between whom the same conflict would continue to rage through all coming time.

It is impossible to say how soon this development took place.<sup>9</sup> We have evidence, however, that at a period considerably anterior to the commencement of the Median Empire, Dualism, not perhaps in its ultimate extravagant form, but certainly in a very decided and positive shape, had already been thought out and become the recognised creed of the Iranians. In the first Fargard, or chapter, of the Vendidad — the historical chapter, in which are traced the early movements of the Iranic peoples, and which from the geographical point whereat it stops must belong to a time when the Arians had not yet reached Media Magna<sup>1</sup> — the Dualistic belief clearly shows itself. The term

<sup>8</sup> See Professor Max Müller's Essay in the *Oxford Essays*, for 1856, pp. 34-37.

<sup>9</sup> The date of the separation between the Eastern and Western Arians is

ante-historic, and can only be vaguely guessed at.

<sup>1</sup> The Iranian settlements enumerated in the document extend westward no further than Rhages, or at the utmost to

Angrô-mainyus has now become a proper name, and designates the great spirit of evil as definitely and determinately as Ahura-mazda designates the good spirit. The antagonism between Ahura-mazda and Angrô-mainyus is depicted in the strongest colours; it is direct, constant, and successful. Whatever good work Ahura-mazda in his benevolence creates, Angrô-mainyus steps forward to mar and blast it. If Ahura-mazda forms a "delicious spot" in a world previously desert and uninhabitable to become the first home of his favourites, the Arians, Angrô-mainyus ruins it by sending into it a poisonous serpent,<sup>2</sup> and at the same time rendering the climate one of the bitterest severity. If Ahura-mazda provides, instead of this blasted region, another charming habitation, "the second best of regions and countries,"<sup>3</sup> Angrô-mainyus sends there the curse of murrain, fatal to all cattle. To every land which Ahura-mazda creates for his worshippers, Angrô-mainyus immediately assigns some plague or other. War, ravages, sickness, fever, poverty, hail, earthquakes, buzzing insects, poisonous plants, unbelief, witchcraft, and other inexpressible sins, are introduced by him into the various happy regions created without any such drawbacks by the good spirit; and a world, which should have been "very good," is by these means converted into a scene of trial and suffering.

The Dualistic principle being thus fully adopted, and the world looked on as the battle-ground between two independent and equal powers engaged in perpetual strife, it was natural that the imagination should complete the picture by ascribing to these superhuman rivals the circumstantials that accompany

Media Antropaténé, which *may* be indicated by the Varena of § 18. (See Appendix, A.) Thus the Arians, when the document was written, had not yet spread into Media Magna, much less into Persia Proper. It must consequently be anterior to the time of the first Shalmaneser (B.C. 858-823), who found Medes and Persians beyond the Zagros range. (See above, p. 101.)

Dr. Haug thinks that the Fargard is anterior to B.C. 1200, because Bactria occurs in it accompanied by the epithet *erêlhwô-dra/sha*, "with the tall banner"—an expression indicating that it was

the centre of an empire, which Bactria, he thinks, could not be after the rise of Assyria (B.C. 1200, according to him). See Bunsen's *Egypt*, vol. iii. p. 477, 478, E. T. But the Assyrian records render it absolutely certain that Bactria was an independent country, even at the height of the Assyrian power.

<sup>2</sup> The mention of a serpent as the first creation of Angrô-mainyus is curious. Is it a paradisaical reminiscence?

<sup>3</sup> *Vendidad*, Farg. i. § 5.

a great struggle between human adversaries. The two kings required, in the first place, to have their councils, which were accordingly assigned them, and were respectively composed of six councillors. The councillors of Ahura-mazda — called *Amesha Spentas*, or “Immortal Saints,” afterwards corrupted into *Amshashpands*<sup>4</sup> — were Vohu-manô (Bahman), Asha-vahista (Ardibehesht), Khshathra-vairya (Shahravar), Çpenta-Armaiti (Isfand-armat), Haurvatât (Khordâd), and Ameretat (Amerdât). Those of Angrô-mainyus were Ako-manô, Indra, Çaurva, Naonhaitya, and two others whose names are interpreted as “Darkness” and “Poison.”<sup>5</sup>

Vohu-manô (Bahman) means “the Good Mind.” Originally a mere attribute of Ahura-mazda,<sup>6</sup> Vohu-manô came to be considered, first as one of the high angels attendant on him, and then formally as one of his six councillors. He had a distinct sphere or province assigned to him in Ahura-mazda’s kingdom, which was the maintenance of life in animals and of goodness in man.

Asha-vahista (Ardibehesht) means “the Highest Truth” — “Veritas optima,” or rather perhaps “Veritas lucidissima.”<sup>7</sup> He was the “Light” of the universe, subtle, all-pervading, omnipresent. His special business was to maintain the splendour of the various luminaries, and thereby to preserve all those things whose existence and growth depend on light.

Khshathra-vairya (Shahravar), whose name means simply “possessions,” “wealth,” was regarded as presiding over metals and as the dispenser of riches.

Çpenta-Armaiti (Isfand-armat) — the “white” or “holy Armaiti,” represented the Earth. She had from the first, as we have already seen, a distinct position in the system of the Zoroastrians, where she was at once the Earth-goddess and the genius of piety.<sup>8</sup>

Haurvatât (Khordâd) means “health” — “sanitas”<sup>9</sup> — and

<sup>4</sup> Haug’s *Essays*, p. 260.

<sup>5</sup> Ibid. p. 263. Compare Windischmann’s *Zoroastriſche Studien*, p. 59, where the original names are given as Taric and Zaric.

<sup>6</sup> See above, p. 263.

<sup>7</sup> “*Vahista* means originally ‘most splendid, beautiful,’ but was afterwards used in the general sense of ‘best.’” (Haug, *Essays*, p. 261.)

<sup>8</sup> See above, p. 327.

<sup>9</sup> The most exact representative of

was originally one of the great and precious gifts which Ahura-mazda possessed himself and kindly bestowed on his creatures.<sup>10</sup> When personification, and the needs of the theology, had made Haurvatât an archangel, he, together with Ameretât (Amerdât), "Immortality," took the presidency of the vegetable world, which it was the business of the pair to keep in good condition.

In the council of Angrô-mainyus, Ako-manô stands in direct antithesis to Vohu-manô, as "the bad mind," or, more literally, "the naught mind"<sup>11</sup>—for the Zoroastrians, like Plato, regarded good and evil as identical with reality and unreality—*τὸ ὄν*, and *τὸ μὴ ὄν*. Ako-manô's special sphere is the mind of man, where he suggests evil thoughts and prompts to bad words and wicked deeds. He holds the first place in the infernal council, as Vohu-manô does in the heavenly one.

Indra, who holds the second place in the infernal council, is evidently the Vedic god whom the Zoroastrians regarded as a powerful demon, and therefore made one of Angrô-mainyus's chief councillors. He probably retained his character as the god of the storm and of war, the destroyer of crops and cities, the inspirer of armies and the wielder of the thunderbolt. The Zoroastrians, however, ascribed to him only destructive actions; while the more logical Hindoos, observing that the same storm which hurt the crops and struck down trees and buildings was also the means of fertilising the lands and purifying the air, viewed him under a double aspect, as at once terrible in his wrath and the bestower of numerous blessings.<sup>12</sup>

Çaurva, who stands next to Indra, is thought to be the Hindoo Shiva,<sup>1</sup> who has the epithet *çarva* in one of the Vedas.<sup>2</sup> But the late appearance of Shiva in the Hindoo system<sup>3</sup> makes this highly uncertain.

Haurvatât which the classical languages furnish would seem to be the Greek *εὐφία*. It is "the good condition in which every being of the good creation has been created by Ahura-mazda." (Haug, p. 177.)

<sup>10</sup> *Yaçna*, xxxiv. 1, xlvii. 1, &c.

<sup>11</sup> Haug, pp. 142 and 258.

<sup>12</sup> For the character of Indra in the Hindoo mythology, see Wilson, *Rig-Veda Sanhita*, Introduction, pp. xxx-xxxii.

<sup>1</sup> Haug, *Essays*, p. 230.

<sup>2</sup> *Yajur-Veda*, xvi. 28.

<sup>3</sup> The name of Shiva does not occur in the *Rig-Veda*, from which the famous *Trimurti*, or Trinity of Brahma, Vishnu, and Shiva is wholly absent. (Wilson, in Introduction to *Rig-Veda Sanhita*, vol. i. p. xxvi; Max Müller, *Ancient Sanskrit Literature*, p. 55.)

Naonhaitya, the fourth member of the infernal council, corresponds apparently to the Vedic Nâsatyas, a collective name given to the two Aswins, the Dioscuri of Indian mythology. These were favourite gods of the early Hindoos,<sup>4</sup> to whose protection they very mainly ascribed their prosperity. It was natural that the Iranians, in their aversion to their Indian brethren, should give the Aswins a seat at Angrô-mainyus's council-table; but it is curious that they should represent the twin deities by only a single councillor.

Taric and Zaric, "Darkness" and "Poison," the occupants of the fifth and sixth places, are evidently personifications made for the occasion, to complete the infernal council to its full complement of six members.

As the two Principles of Good and Evil have their respective councils, so have they likewise their armies. The Good Spirit has created thousands of angelic beings, who everywhere perform his will and fight on his side against the Evil One; and the Evil One has equally on his part called into being thousands of malignant spirits, who are his emissaries in the world, doing his work continually, and fighting his battles. These are the Devas or Divs, so famous in Persian fairy mythology. They are "wicked, bad, false, untrue, the originators of mischief, most baneful, destructive, the basest of all beings."<sup>5</sup> The whole universe is full of them. They aim primarily at destroying all the good creations of Ahura-mazda; but if unable to destroy they content themselves with perverting and corrupting. They dog the steps of men, tempting them to sin; and, as soon as they sin, obtaining a fearful power over them.<sup>6</sup>

At the head of Ahura-mazda's army is the angel Sraosha (Serosh). Serosh is "the sincere, the beautiful, the victorious, the true, the master of truth."<sup>7</sup> He protects the territories of

<sup>4</sup> On the large share which the Aswins occupied in the early Hindoo worship, see Wilson, *Rig-Veda Sanhita*, Introduction, p. xxxv., and compare *Rig-Veda*, vol. i. pp. 8, 50, 94-97, 127, 306-325, &c.

<sup>5</sup> *Yaçna*, xii. 4.      <sup>6</sup> *Ibid.* xxx. 6.

<sup>7</sup> See the Serosh Yasht, or hymn in praise of Serosh (*Yaçna*, lvii. 2). The

following particulars concerning Serosh are also contained in the hymn. He was the inventor of the *barsom*, and first taught its use to mankind. He made the music for the five earliest Gâthâs, which were called the Gâthâs of Zoroaster. He had an earthly dwelling-place—a palace with 1000 pillars erected on the highest summit of Elburz

the Iranians, wounds, and sometimes even slays the demons, and is engaged in a perpetual struggle against them, never slumbering night nor day, but guarding the world with his drawn sword, more particularly after sunset, when the demons have the greatest power.

Angrô-mainyus appears not to possess any such general-in-chief. Besides the six councillors above mentioned, there are indeed various demons of importance, as Drukhs, "destruction;" Aêshemô, "rapine;" Daivis, "deceit;" Driwis, "poverty," &c.; but no one of these seems to occupy a parallel place in the evil world to that which is assigned to Serosh in the good. Perhaps we have here a recognition of the anarchic character of evil, whose attacks are like those of a huge undisciplined host—casual, fitful, irregular,—destitute wholly of that principle of law and order which gives to the resisting power of good a great portion of its efficacy.

To the belief in a spiritual world composed of all these various intelligences—one half of whom were good, and the other half evil—the early Zoroastrians added notions with respect to human duties and human prospects far more enlightened than those which have usually prevailed among heathen nations. In their system truth, purity, piety, and industry were the virtues chiefly valued and inculcated. Evil was traced up to its root in the heart of man; and it was distinctly taught that no virtue deserved the name but such as was co-extensive with the whole sphere of human activity, including the thought, as well as the word and the deed.<sup>8</sup> The purity required was inward as well as outward, mental as well as bodily. The industry was to be of a peculiar character. Man was placed upon the earth to preserve the good creation; and this could only be done by careful tilling of the soil, eradication of thorns and weeds, and reclamation of the tracts over which Angrô-mainyus had spread the curse of barrenness. To cultivate the soil was thus a religious duty; the

(the peak of Demawend?), which was lighted within by its own light, and without was ornamented with stars. One of his employments was to walk round the world, teaching the true religion.

<sup>8</sup> On the triad of thought, word, and act, see *Yaçna*, xii. 8, xxxii. 5, xxxiii. 2, xxxv. 1, xlvii. 1, xlix. 4, &c.; and compare below, p. 338, note <sup>10</sup>.



whole community was required to be agricultural; and either as proprietor, as farmer, or as labouring man, each Zoroastrian must "further the works of life" by advancing tillage.<sup>9</sup> Piety consisted in the acknowledgment of the One True God, Ahura-mazda, and of his holy angels, the Amesha Spentas or Amshashpands, in the frequent offering of prayers, praises, and thanksgivings, in the recitation of hymns, the performance of the reformed Soma ceremony, and the occasional sacrifice of animals. Of the hymns we have abundant examples in the Gâthâs of the Zendavesta, and in the *Yaçna haptanhaiti*, or "Yaçna of seven chapters," which belongs to the second period of the religion. A specimen from the latter source is subjoined below.<sup>10</sup> The Soma or Homa ceremony consisted in the extraction of the juice of the Homa plant by the priests during the recitation of prayers, the formal presentation of the liquid extracted to the sacrificial fire, the consumption of a small portion of it by one of the officiating priests, and the division of the remainder among the worshippers. As the juice was drunk immediately after extraction and before fermentation had set in, it was not intoxicating. The ceremony seems to have been regarded, in part, as having a mystic force, securing the favour of heaven;<sup>1</sup> in part, as exerting a beneficial influence upon the

<sup>9</sup> See *Yaçna*, xxxiii. 3.

<sup>10</sup> "We worship Ahura-mazda, the pure, the master of purity. We worship the Amesha Spentas, the possessors of good, the givers of good. We worship the whole creation of the true spirit, both the spiritual and terrestrial, all that supports the welfare of the good creation and the spread of good mazdayaçna religion.

"We praise all good thoughts, all good words, all good deeds, which are or shall be; and we likewise keep clean and pure all that is good.

"O Ahura-mazda, thou true, happy being! We strive to think, to speak, and to do only such actions as may be best fitted to promote the two lives" (i.e. the life of the body and the life of the soul).

"We beseech the spirit of earth, for the sake of these our best works" (i.e. our labours in agriculture), "to grant us

beautiful and fertile fields, to the believer as well as to the unbeliever, to him who has riches as well as to him who has no possession." (*Yaçna*, xxv. 1-4. See Haug's *Essays*, pp. 162, 163.)

<sup>1</sup> See the Homa Yasht (*Yaçna*, chs. ix. and x.). It has sometimes been supposed that the personal Homa addressed in his Yasht, and appearing elsewhere as an object of worship to the Zoroastrians, represents the Moon-God (*Journal of Asiatic Society*, vol. xv. p. 254); and the author was formerly of this opinion (*Herodotus*, vol. i. p. 349, 2nd edition). But further consideration has convinced him that the Zendic Homa answers to one character only of the Vedic Soma, and not to both. Soma is at once the Moon-God and the Genius of Intoxication. (*Rig-Veda Samhita*, vol. i. p. 118; vol. ii. p. 311; &c.) Homa is the latter only.

body of the worshipper through the curative power inherent in the Homa plant.

The sacrifices of the Zoroastrians were never human. The ordinary victim was the horse;<sup>2</sup> and we hear of occasions on which a single individual sacrificed as many as ten of these animals.<sup>3</sup> Mares seem to have been regarded as the most pleasing offerings, probably on account of their superior value; and if it was desired to draw down the special favour of the Deity, those mares were selected which were already heavy in foal. Oxen, sheep, and goats were probably also used as victims. A priest always performed the sacrifice, slaying the animal, and showing the flesh to the sacred fire by way of consecration, after which it was eaten at a solemn feast by the priest and worshippers.

The Zoroastrians were devout believers in the immortality of the soul and a conscious future existence. They taught that immediately after death the souls of men, both good and bad, proceeded together along an appointed path to "the bridge of the gatherer" (*chinvat peretu*).<sup>4</sup> This was a narrow road conducting to heaven or paradise, over which the souls of the pious alone could pass, while the wicked fell from it into the gulf below, where they found themselves in the place of punishment. The good soul was assisted across the bridge by the angel Serosh — "the happy, well-formed, swift, tall Serosh"<sup>5</sup> — who met the weary wayfarer and sustained his steps as he effected the difficult passage. The prayers of his friends in this world were of much avail to the deceased, and greatly helped him on his journey.<sup>6</sup> As he entered, the archangel Vohu-mano or Bahman rose from his throne and greeted him with the words, "How happy art thou who hast come here to us from the mortality to the immortality!" Then the pious soul went joyfully onward to Ahura-mazda, to the immortal saints, to the golden throne,

<sup>2</sup> This practice remained among the Persian Fire-worshippers to a late date. It is mentioned as characteristic of the Persians by Xenophon (*Cyrop.* viii. 3, § 24) and Ovid (*Fasti*, i. 385).

<sup>3</sup> *Yaçna*, xliv. 18.

<sup>4</sup> This is evidently the original of

Mahomet's famous "way, extended over the middle of Hell, which is sharper than a sword and finer than a hair, over which all must pass." (Pocock, *Spec. Hist. Arab.* p. 278.)

<sup>5</sup> *Vendidad*, Farg. xix. 30.

<sup>6</sup> Haug, *Essays*, p. 156, note.

to Paradise.<sup>7</sup> As for the wicked, when they fell into the gulf, they found themselves in outer darkness, in the kingdom of Angrô-mainyus, where they were forced to remain and to feed upon poisoned banquets.

It is believed by some that the doctrine of the resurrection of the body was also part of the Zoroastrian creed.<sup>8</sup> Theopompus assigned this doctrine to the Magi;<sup>9</sup> and there is no reason to doubt that it was held by the priestly caste of the Arian nations in his day. We find it plainly stated in portions of the Zendavesta, which, if not among the earliest, are at any rate of very considerable antiquity, as in the eighteenth chapter of the Vendidad.<sup>10</sup> It is argued that even in the Gâthâs there is an expression used which shows the doctrine to have been already held when they were composed; but the phrase adduced is so obscure, that its true meaning must be pronounced in the highest degree uncertain.<sup>11</sup> The absence of any plain allusion to the resurrection from the earlier portions of the sacred volume is a strong argument against its having formed any part of the original Arian creed—an argument which is far from outweighed by the occurrence of a mere possible reference to it in a single ambiguous passage.

Around and about this nucleus of religious belief there grew up in course of time a number of legends, some of which possess considerable interest. Like other thoughtful races, the Iranians speculated upon the early condition of mankind, and conceived a golden age, and a king then reigning over a perfectly happy people, whom they called King Yima—Yima-

<sup>7</sup> *Vendidad*, Farg. xix. 31, 32.

<sup>8</sup> Haug. p. 266.

<sup>9</sup> See Diog. Laert. *Proem.* § 9. Θεόπομπος ἀναβιώσασθαι κατὰ τοὺς Μάγους φησὶ τοὺς ἀνθρώπους, καὶ ἵσσεσθαι ἀθάνατους. And *Æn. Gaz. Dial. de an. immort.* p. 77: 'Ὁ δὲ Ζωροάστρης προλέγει, ὡς ἴσται πότε χρόνος ἐν ᾧ πάντων νεκρῶν ἀνάστασις ἴσται· οὐδὲν δὲ Θεόπομπος.

<sup>10</sup> And again in the *Zemiyad Yasht*, §§ 89, 90.

<sup>11</sup> Haug, *Essays*, pp. 143 and 266. The expression relied on is *frashem kere-naon ahûm*, which occurs in the *Gâtha ahuvanaiti* (Yacna, xxx. 9), and is

translated, "they perpetuate the life"—literally "they make the life lasting." Hence, it is said, was formed the substantive *frashô-kereti*, which in the later Zend books becomes a *verbum usitatum*, designating the entire period of resurrection and palingenesis at the end of time. But this only shows that the later Zoroastrians applied a phrase taken from the older books to their doctrines. It does not prove that the phrase had originally the meaning which they put upon it. In its literal sense the expression clearly does not go beyond the general notion of a future existence.

khshaêta<sup>12</sup>—the modern Persian Jemshid. Yima, according to the legend, had dwelt originally in *Aryanem vaêjo*—the primitive seat of the Arians—and had there reigned gloriously and peacefully for awhile; but the evils of winter having come upon his country, he had removed from it with his subjects, and had retired to a secluded spot where he and his people enjoyed uninterrupted happiness.<sup>13</sup> In this place was “neither overbearing nor mean-spiritedness, neither stupidity nor violence, neither poverty nor deceit, neither puniness nor deformity, neither huge teeth nor bodies beyond the usual measure.”<sup>14</sup> The inhabitants suffered no defilement from the evil spirit. They dwelt amid odoriferous trees and golden pillars; their cattle were the largest, best, and most beautiful on the earth; they were themselves a tall and beautiful race; their food was ambrosial, and never failed them. No wonder that time sped fast with them, and that they, not noting its flight, thought often that what was really a year had been no more than a single day.<sup>15</sup> Yima was the great hero of the early Iranians. His title, besides “the king” (*khshaêta*), are “the brilliant,” “the happy,” “the greatly wealthy,” “the leader of the peoples,” “the renowned in *Aryanem vaêjo*.” He is most probably identical with the Yama of the Vedas,<sup>16</sup> who was originally the first man, the progenitor of mankind and the ruler of the blessed in Paradise, but who was afterwards transformed into “the god of death, the inexorable judge of men’s doings, and the punisher of the wicked.”<sup>17</sup>

Next in importance to Yima among the heroes is Thraëtona—the modern Persian Feridun. He was born in Varena<sup>1</sup>—which is perhaps Atropatêné, or Azerbijan<sup>2</sup>—and was the son

<sup>12</sup> With *khshaêta*, the *epitheton usitatum* of Yima, which undoubtedly means “king”—corresponding to the *râjâ*, which is the epithet of Yama in the Vedas—may be compared the Achæmænian *khshayathiya*, which is the commonest term for “king” in the Persian cuneiform inscriptions.

<sup>13</sup> *Vendidad*, Farg. ii. §§ 4 to 41.

<sup>14</sup> *Ibid.* § 29.

<sup>15</sup> *Ibid.* § 41.

<sup>16</sup> This identification was first made, I believe, by Burnouf. It rests on the following resemblances. Yama has

habitually the title *râjâ* affixed to his name; Yima has the corresponding title *khshaêta*. Yama is the son of *Vivasvat*; Yima, of *Vivanghvāt*. Yama is the first Vedic man; Yima is the first Iranic king. Yama reigns over a heavenly, Yima over an earthly paradise.

<sup>17</sup> Haug, *Essays*, p. 234.

<sup>1</sup> *Yashts*, xv. 23; xvii. 33; *Vendidad*, Farg. i. § 18.

<sup>2</sup> The capital of Atropatêné was sometimes called Vera or Baris, whence perhaps Varena. Or Varena may pos-

of a distinguished father, Athwyô. His chief exploit was the destruction of Ajis-dahaka (Zohak), who is sometimes represented as a cruel tyrant, the bitter enemy of the Iranian race,<sup>3</sup> sometimes as a monstrous dragon, with three mouths, three tails, six eyes, and a thousand scaly rings, who threatened to ruin the whole of the good creation.<sup>4</sup> The traditional scene of the destruction was the mountain of Demavend, the highest peak of the Elburz range south of the Caspian. Thraêtona, like Yima, appears to be also a Vedic hero. He may be recognised in Traitana,<sup>5</sup> who is said in the Rig-Veda to have slain a mighty giant by severing his head from his shoulders.

A third heroic personage known in the early times<sup>6</sup> was Keresaspa, of the noble Sâma family. He was the son of Thrîta—a distinct personage from Thraêtona—and brother of Urvakhshaya the Just,<sup>7</sup> and was bred up in the arid country of Vehkeret (Khorassan). The "glory" which had rested upon Yima so many years became his in his day.<sup>8</sup> He was the mightiest among the mighty, and was guarded from all danger by the fairy (*pairika*) Knathaiti,<sup>9</sup> who followed him whithersoever he went. He slew Çravara, the green and venomous serpent, who swallowed up men and horses.<sup>10</sup> He killed Gandarewa with the

sibly be Ghilan, since "the initial *v* of the old Iranian usually becomes *g* in modern Persian." (Haug in Bunsen's *Egypt*, vol. iii. p. 487.)

<sup>3</sup> *Yashts*, xv. 8; and so in the Shah-nameh (Atkinson's *Abridgment*, pp. 12-49).

<sup>4</sup> *Yaçna*, ix. 6. Burnouf thus translates the passage: "Thraetona . . . qui a tué le serpent homicide aux trois gueules, aux trois têtes, aux six yeux, aux mille forces, cette divinité cruelle qui détruit la pureté, ce pécheur qui ravage les mondes, et qu'Ahriman a créé le plus ennemi de la pureté dans le monde, existant pour l'anéantissement de la pureté des mondes."

<sup>5</sup> So Haug (*Essays*, p. 235), Roth (*Zeitschrift der D. morgenländischen Gesellschaft*, vol. ii. p. 216), and Lassen (*Indische Alterthumskunde*, additions). Professor H. H. Wilson, on the other hand, rejects the proposed identification. (*Rig-Veda Sanhita*, vol. i. p. 143, note.)

<sup>6</sup> Keresaspa is mentioned in the first Fargard of the Vendidad (§ 10); which has been already shown to be older than the first occupation by the Arians of Media Magna. (See above, p. 332, note<sup>1</sup>.)

<sup>7</sup> *Yaçna*, ix. 7.

<sup>8</sup> A special "glory" or "lustre" (*qarend*), the reflex of Ahura-mazda's inborn brilliancy (*qâthro*), attaches to certain eminent heroes, more especially to Yima and Keresaspa. (*Yashts*, xix. 38.)

<sup>9</sup> The fairy Knathaiti, though originally a creation of Angrô-mainyus (*Vendidad*, Farg. i. 10; xix. 5), "became the protecting genius of heroes, who were indebted to her for their supernatural strength." (Haug in Bunsen's *Egypt*, vol. iii. p. 482.)

<sup>10</sup> *Yashts*, xix. 38-44. Compare *Yaçna*, ix. 8, which is thus translated by Burnouf: "C'est lui (Kereçappa) qui tua le serpent agile qui dévorait les chevaux

golden heel, and also Çnâvidhaka, who had boasted that, when he grew up, he would make the earth his wheel and heaven his chariot, that he would carry off Ahura-mazda from heaven and Angrô-mainyus from hell, and yoke them both as horses to his car. Keresaspa appears as Gershasp in the modern Persian legends,<sup>11</sup> where, however, but little is said of his exploits. In the Hindoo books<sup>12</sup> he appears as Kriçâçva, the son of Samyama, and is called king of Vâiçâli, or Bengal!

From these specimens the general character of the early Iranic legends appears sufficiently. Without affording any very close resemblances in particular cases, they present certain general features which are common to the legendary lore of all the Western Arians. They are romantic tales, not allegories; they relate with exaggerations the deeds of men, not the processes of nature.<sup>13</sup> Combining some beauty with a good deal that is *bizarre* and grotesque, they are lively and graphic, but somewhat childish, having in no case any deep meaning, and rarely teaching a moral lesson. In their earliest shape they appear, so far as we can judge,<sup>14</sup> to have been brief, disconnected, and fragmentary. They owe the full and closely interconnected form which they assume in the *Shahnameh* and other modern Persian writings,<sup>15</sup> partly to a gradual accretion during the course of centuries, partly to the inventive genius of Firdausi, who wove the various and often isolated legends into

et les hommes, ce serpent vénimeux et vert, sur le corps duquel ruisselait un vert poison de l'épaisseur du pouce. Kereçaspa fit chauffer au-dessus de lui de l'eau dans un vase d'airain, jusqu'à midi; et le monstre homicide sentait la chaleur, et il siffla. Le vase d'airain, tombant en avant, repandit l'eau faite pour s'écouler. Le serpent, effrayé, s'entuit; Kereçaspa, au cœur d'homme, recula."

<sup>11</sup> *Shah-nameh*, pp. 117-122 (Atkinson's *Abridgment*).

<sup>12</sup> See the *Bhagavat Purana*, and compare Burnouf in the *Journal asiatique*, Avril-Mai 1845, p. 255.

<sup>13</sup> It is not intended to deny that there are some portions of the Greek and Roman, and again of the German

and Scandinavian mythology, which are allegorical, and which are best explained as originally expressive of processes of nature; but only to assert that the physical element in those mythologies is so overlaid by the historical or quasi-historical, as to disappear from sight, and be lost, like a drop in the ocean.

<sup>14</sup> It must be remembered that we do not possess the ancient Zendic writings in a complete shape, as we do the Vedas, but only in a curtailed and fragmentary form. (See Haug, *Essays*, p. 219.)

<sup>15</sup> As the *Dabistan* of Mohammed Mohsin Fani, and the *Rauzat-us-Safa* of Mirkhond.

a pseudo-history, and amplified them at his own pleasure. How much of the substance of Firdausi's poems belongs to really primitive myth is uncertain. We find in the Zend texts the names of Gayo-marathan, who corresponds to Kaiomars; of Haoshyanha, or Hosheng; of Yima-shaêta, or Jemshid; of Ajisdahaka, or Zohak; of Athwya, or Abtin; of Thraêtona, or Feridun; of Keresaspa, or Gershasp; of Kava Uç, or Kai Kavus; of Kava Huçrava, or Kai Khosroo; and of Kava Vistaspa, or Gushtasp. But we have no mention of Tahomars; of Gava (or Gau) the blacksmith; of Feridun's sons, Selm, Tur, and Irij; of Zal, or Mino'chihr, or Rustem; of Afrasiab, or Kai Kobad; of Sohrab, or Isfendiar. And of the heroic names which actually occur in the Zendavesta, several, as Gayo-marathan, Haoshyanha, Kava Uç, and Kava Huçrava, are met with only in the later portions, which belong probably to about the fourth century before our era.<sup>16</sup> The only legends which we know to be primitive are those above related, which are found in portions of the Zendavesta, whereto the best critics ascribe a high antiquity. The negative argument is not, however, conclusive; and it is quite possible that a very large proportion of Firdausi's tale may consist of ancient legends dressed up in a garb comparatively modern.

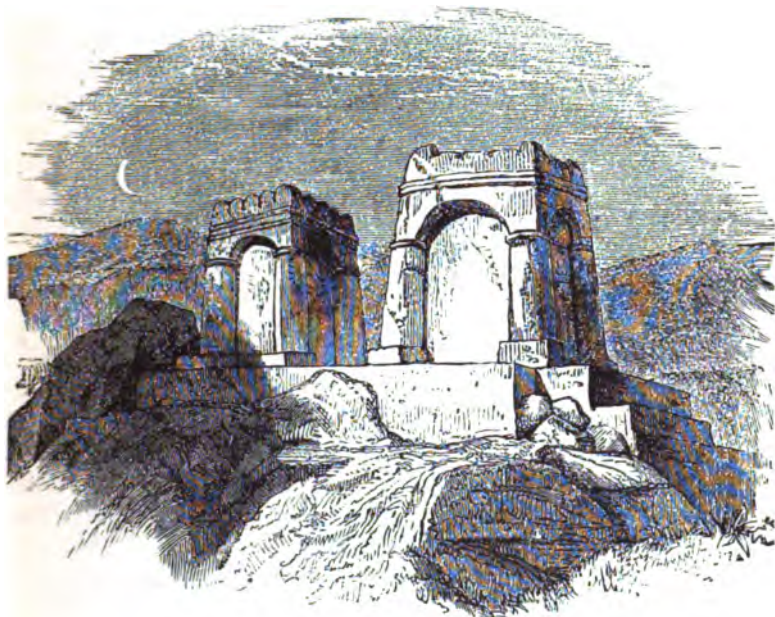
Two phases of the early Iranic religion have been now briefly described: the first a simple and highly spiritual creed, remarkable for its distinct assertion of monotheism, its hatred of idolatry, and the strongly marked antithesis which it maintained between good and evil; the second, a natural corruption of the first, Dualistic, complicated by the importance which it ascribed to angelic beings verging upon polytheism. It remains to give an account of a third phase into which the religion passed in consequence of an influence exercised upon it from without by an alien system.

When the Iranic nations, cramped for space in the countries east and south of the Caspian, began to push themselves further to the west, and then to the south, they were brought into con-

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<sup>16</sup> These names occur, I believe, only in the *Yashts*, which Haug assigns, on good grounds, to about B.C. 450-350. (*Essays*, p. 224.)

tact with various Scythic tribes<sup>17</sup> inhabiting the mountain regions of Armenia, Azerbaijan, Kurdistan, and Luristan, whose religion appears to have been Magism. It was here, in these elevated tracts, where the mountains almost seem to reach the skies, that the most venerated and ancient of the fire-temples (*νυραθρία*) were established, some of which remain, seemingly



Fire-temples near Nakhsh-e Rostem.

in their primitive condition, at the present day.<sup>1</sup> Here tradition placed the original seat of the fire-worship;<sup>2</sup> and from hence many taught that Zoroaster, whom they regarded as the founder of Magism, had sprung.<sup>3</sup> Magism was, essentially, the worship

<sup>17</sup> The cuneiform inscriptions of Armenia, Azerbaijan, and Elymais are in Scythic or Turanian dialects. The third column of the trilingual inscriptions of the Zagros range is also Scythic. On the various grounds for regarding the ante-Arian inhabitants of these parts as Scythians, see *Journal of the Asiatic Society*, vol. xv. pp. 235, 236.

<sup>1</sup> See Ker Porter's *Travels*, vol. i. p. 566.

<sup>2</sup> Proofs of this are collected in Sir H. Rawlinson's article "On the Atropatenian Ecbatana" in the *Journal of the Geographical Society*, vol. x. pp. 79-83.

<sup>3</sup> Ctesias called Zoroaster an Armenian (Arnobius, *Adv. Nationes*, i. 52). Moses of Chorene regarded him as a



of the elements, the recognition of fire, air, earth, and water as the only proper objects of human reverence.<sup>4</sup> The Magi held no personal gods, and therefore naturally rejected temples, shrines, and images, as tending to encourage the notion that gods existed of a like nature with man,<sup>5</sup> *i.e.*, possessing personality — living and intelligent beings. Theirs was a nature worship, but a nature worship of a very peculiar kind. They did not place gods over the different parts of nature, like the Greeks; they did not even personify the powers of nature, like the Hindoos; they paid their devotion to the actual material things themselves. Fire, as the most subtle and ethereal principle, and again as the most powerful agent, attracted their highest regards;<sup>6</sup> and on their fire-altars the sacred flame, generally said to have been kindled from heaven,<sup>7</sup> was kept burning uninterruptedly from year to year and from age to age by bands of priests, whose special duty it was to see that the sacred spark was never extinguished.<sup>8</sup> To defile the altar by blowing the flame with one's breath was a capital offence;<sup>9</sup> and to burn a corpse was regarded as an act equally odious.<sup>10</sup> When victims were offered to fire, nothing but a small portion of the fat was consumed in the flame.<sup>11</sup> Next to fire, water was revered. Sacrifice was offered to rivers, lakes, and fountains, the victim being brought near to them and then slain, while great care was

Mede (*Hist. Armen.* i. 16). So Clemens of Alexandria in one place (*Strom.* i. p. 399).

<sup>4</sup> We sometimes find it said that the Magi worshipped fire and water only (Dino, *Fr.* 9); sometimes that their gods were fire, water, and earth (Diog. Laert. *Proem.* § 6). But there seems to be no real doubt that their worship was actually paid to all the four elements. (Herod. i. 132; Strab. xv. 3, § 13; Theodoret, *Hist. Eccles.* v. 39; &c.)

<sup>5</sup> See this reason assigned in Herod. i. 132.

<sup>6</sup> Hence the name Πῦραιθοι borne by the Magi in Cappadocia (Strab. xv. 3, § 15). Compare the *Athra* of the Zendavesta, derived from *atar*, "fire." See also Strab. xv. 3, § 14; Lucian, *Jov.*

*Trag.* § 42; Clem. Alex. *Protrept.* v. p. 56.

<sup>7</sup> Dio. Chrysost. *Orat. Borysth.* p. 449, A.; Amm. Marc. xxiii. 6; Clem. *Recognit.* iv. 29; Agathias, ii. 25.

<sup>8</sup> Πῦρ ἀσβεστον φυλάττουσιν οἱ Μάγοι. (Strab. xv. 3, § 15.)

<sup>9</sup> Ibid. 14. Ὑφάπτουσιν . . . οὐ φυνώντες ἀλλὰ ρυπίζοντες τοὺς δὲ φυνώσαντας . . . θανατοῦσι.

<sup>10</sup> Herod. iii. 16; Strab. i. s. c.; Nic. Dam. *Fr.* 68, p. 409.

<sup>11</sup> Some said that no part of the victim was burnt. (Strab. i. s. c.; Eustath. *Comment. ad Hom. Il.* i.) But Strabo's statement, that a small portion was consumed in the fire, seems trustworthy. Xenophon's "whole burnt-offerings" must be a fiction. (*Cyrop.* viii. 3, § 24.)

taken that no drop of their blood should touch the water and pollute it.<sup>12</sup> No refuse was allowed to be cast into a river, nor was it even lawful to wash one's hands in one.<sup>13</sup> Reverence for earth was shown by sacrifice,<sup>14</sup> and by abstention from the usual mode of burying the dead.<sup>15</sup>

The Magian religion was of a highly sacerdotal type. No worshipper could perform any religious act except by the intervention of a priest, or Magus, who stood between him and the divinity as a Mediator.<sup>16</sup> The Magus prepared the victim and slew it, chanted the mystic strain which gave the sacrifice all its force, poured on the ground the propitiatory libation of oil, milk, and honey, held the bundle of thin tamarisk twigs — the Zendic barsom (*bareçma*) — the employment of which was essential to every sacrificial ceremony.<sup>17</sup> The Magi were a priest-caste, apparently holding their office by hereditary succession.<sup>18</sup> They claimed to possess, not only a sacred and mediatorial character, but also supernatural prophetic powers. They explained omens,<sup>19</sup> expounded dreams,<sup>20</sup> and by means of a certain mysterious manipulation of the barsom, or bundle of twigs, arrived at a knowledge of future events, which they communicated to the pious inquirer.<sup>21</sup>

With such pretensions it was natural that the caste should assume a lofty air, a stately dress, and an *entourage* of ceremonial magnificence. Clad in white robes,<sup>22</sup> and bearing upon their heads tall felt caps, with long lappets at the sides, which concealed the jaw and even the lips, each with his barsom in his hand, they marched in procession to their *pyrætheia*, or fire-

<sup>12</sup> Strab. i. s. c.

<sup>13</sup> Herod. i. 138; Strab. xv. 3, § 16; Agathias, ii. 24, ad fin.

<sup>14</sup> Xen. *Cyrop.* i. s. c.

<sup>15</sup> See below, p. 350, note 2.

<sup>16</sup> Herod. i. 132. "Ἄνευ γὰρ δὴ Μάγου οὐ σφί νόμος ἐστὶ θυσίας ποιέσθαι. AINM. Marc. xxiii. 6. "Erat piaculum aras adire vel hostiam contrectare antequam Magus conceptis precatonibus libamenta diffunderet præcursoria." Strabo implies the same without distinctly stating it. (Strab. xv. 3, § 13.)

<sup>17</sup> Strab. xv. 3, §§ 14 and 15. Compare Herod. i. 132.

<sup>18</sup> This is implied in the statement of Herodotus (i. 101), that they were a tribe (φύλον). It is expressly declared by Ammianus Marcellinus (xxiii. 6), Sozomen *Hist. Eccl.* ii. 8), and others.

<sup>19</sup> Herod. vii. 37; Cic. *de Div.* i. 41; Val. Max. i. 6.

<sup>20</sup> Herod. i. 107, 108; vii. 19; Cic. *de Div.* i. 23.

<sup>21</sup> Dino, Fr. 8; Schol. Nicandr. Ther. 613.

<sup>22</sup> Diog. Laert. *Proem.* ἰσθῆς μὲν λευκή.

altars, and standing around them performed for an hour at a time their magical incantations.<sup>23</sup> The credulous multitude, impressed by sights of this kind, and imposed on by the claims to supernatural power which the Magi advanced, paid them a willing homage; the kings and chiefs consulted them; and when the Arian tribes, pressing westward, came into contact with the races professing the Magian religion, they found a sacerdotal caste all-powerful in most of the Scythic nations.

The original spirit of Zoroastrianism was fierce and exclusive. The early Iranians looked with contempt and hatred on the creed of their Indian brethren; they abhorred idolatry; and were disinclined to tolerate any religion except that which they had themselves worked out. But with the lapse of ages this spirit became softened. Polytheistic creeds are far less jealous than monotheism; and the development of Zoroastrianism had been in a polytheistic direction. By the time that the Zoroastrians were brought into contact with Magism, the first fervour of their religious zeal had abated, and they were in that intermediate condition of religious faith which at once impresses and is impressed, acts upon other systems, and allows itself to be acted upon in return. The result which supervened upon contact with Magism seems to have been a fusion, an absorption into Zoroastrianism of all the chief points of the Magian belief, and all the more remarkable of the Magian religious usages. This absorption appears to have taken place in Media. It was there that the Arian tribes first associated with themselves, and formally adopted into their body, the priest-caste of the Magi,<sup>24</sup> which thenceforth was recognised as one of the six Median tribes.<sup>25</sup> It

<sup>23</sup> See the picture which Strabo gives of the Magian priests in Cappadocia (xv. 3, § 15) — a picture drawn from his own experience (ταῦτα μὲν οὖν ἡμεῖς εἰσπαράμεν).

<sup>24</sup> Haug imagines that the term Magus is Zoroastrian, that it was used from very ancient times among the Arians to designate the followers of the true religion (*Essays*, pp. 160, 247), and that by degrees it came to be applied especially to the priests. For my own part I doubt the identity of the *maga* or

*maghava*, which occurs twice, and twice only, in the whole of the Zendavesta (Westergaard, *Introduction to Zendavesta*, p. 17), with the *magush* of the cuneiform inscriptions and the Μάγες of the Greeks.

<sup>25</sup> Herod. i. 101. The first real proof that we have of any close connection of the Magi with an Arian race is furnished by the Median history of Herodotus, where we find them a part, but not apparently an original part, of the Median nation. Their position (*19th*) in the

is there that Magi are first found acting in the capacity of Arian priests.<sup>25</sup> According to all the accounts which have come down to us, they soon acquired a predominating influence, which they no doubt used to impress their own religious doctrines more and more upon the nation at large, and to thrust into the background, so far as they dared, the peculiar features of the old Arian belief. It is not necessary to suppose that the Medes ever apostatised altogether from the worship of Ormazd, or formally surrendered their Dualistic faith.<sup>1</sup> But, practically, the Magian doctrines and the Magian usages — elemental worship, divination with the sacred rods, dream-expounding, incantations at the fire-altars, sacrifices whereat a Magus officiated — seem to have prevailed; the new predominated over the old; backed by the power of an organised hierarchy, Magism overlaid the primitive Arian creed, and, as time went on, tended more and more to become the real religion of the nation.

Among the religious customs introduced by the Magi into Media, there are one or two which seem to require especial notice. The attribution of a sacred character to the four so-called elements — earth, air, fire, and water — renders it extremely difficult to know what is to be done with the dead. They cannot be burnt, for that is a pollution of fire; or buried, for that is a pollution of earth; or thrown into a river, for that is a defilement of water. If they are deposited in sarcophagi, or exposed, they really pollute the air; but in this case the guilt of the pollution, it may be argued, does not rest on man, since the dead body is merely left in the element in which nature placed it. The only mode of disposal which completely avoids the defilement of every element is consumption of the dead by living beings; and the worship of the elements leads on naturally to this treatment of corpses. At present the Guebres, or Fire-worshippers, the descendants of the ancient

list of tribes, *last of all* except the Budii, who were probably also Scyths, is only to be accounted for, when we consider their high rank and importance, by their having been added on to the nation after the four Arian tribes were constituted.

<sup>25</sup> Herod. i. 107, 108.

<sup>1</sup> It is in Media (at Behistun) that the sculptor of a Scythic inscription — probably himself a Median Scyth — informs his readers that Ormazd was "the god of the Arians." Remark that he says "Arians" — not "Persians" — thus including the Arian Medes.

Persians, expose all their dead, with the intention that they shall be devoured by birds of prey.<sup>2</sup> In ancient times, it appears certain that the Magi adopted this practice with respect to their own dead;<sup>3</sup> but, apparently, they did not insist upon having their example followed universally by the laity.<sup>4</sup> Probably a natural instinct made the Arians averse to this coarse and revolting custom; and their spiritual guides, compassionating their weakness, or fearful of losing their own influence over them if they were too stiff in enforcing compliance, winked at the employment by the people of an entirely different practice. The dead bodies were first covered completely with a coating of wax, and were then deposited in the ground.<sup>5</sup> It was held, probably, that the coating of wax prevented the pollution which would have necessarily resulted had the earth come into direct contact with the corpse.

The custom of divining by means of a number of rods appears to have been purely Magian. There is no trace of it in the *Gâthâs*, in the *Yasna haptanhaiti*, or in the older portions of the *Vendidad*. It was a Scythic practice;<sup>6</sup> and probably the best extant account of it is that which Herodotus gives of the mode wherein it was managed by the Scyths of Europe. "Scythia," he says, "has an abundance of soothsayers, who foretell the future by means of a number of willow wands. A

<sup>2</sup> See the author's *Herodotus*, vol. i. p. 223, note 4, 2nd ed. Round towers of considerable height, without either door or window, are constructed by the Guebres, having at the top a number of iron bars, which slope inwards. The towers are mounted by means of ladders; and the bodies are placed crossways upon the bars. The vultures and crows which hover about the towers soon strip the flesh from the bones, and these latter then fall through to the bottom.

The *Zendavesta* contains particular directions for the construction of such towers, which are called *dakhmas*, or "Towers of Silence." (*Vendidad*, Farg. v. to Farg. viii.)

<sup>3</sup> Strab. xv. 3, § 20. Τοὺς δὲ Μάγους οὐ θάπτουσιν ἀλλὰ οἰκνοβρῶνται ἑῷσι. Compare Herod. (i. 140), who, however, seems to think that the bodies were

buried after dogs or birds had partially devoured them. In this he was probably mistaken.

<sup>4</sup> This appears from the statements made by Herodotus and Strabo as to the actual practice in the passages quoted in the last note. On the other hand, if we refer the composition of the middle portion of the *Vendidad* (from the fifth to the eighteenth Fargard) to the times of early Magian ascendancy, we must suppose that they wished to put a stop to all burial.

<sup>5</sup> Herod. i. s. c. Κατακρήσαντες τὸν νεκρὸν Πέρσαι γῇ κρύπτουσι. Strab. i. s. c. Θάπτουσι κρηρὲς περιλάσαντες τὰ σώματα.

<sup>6</sup> Schol. Nic. Ther. 613: Μάγοι δὲ καὶ Σκύθαι μυρικήν μαντεύονται ξύλῳ· καὶ γὰρ ἐν πολλοῖς τόποις ῥάβδους μαντεύονται. Δείκνυται δὲ . . . καὶ τοὺς μάντεϊ φησὶ Μήδους ῥάβδους μαντεύεσθαι.

large bundle of these rods is brought and laid on the ground. The soothsayer unties the bundle, and places each wand by itself, at the same time uttering his prophecy: then, while he is still speaking, he gathers the rods together again, and makes them up once more into a bundle."<sup>7</sup> A divine power seems to have been regarded as resting in the wands; and they were supposed to be "consulted"<sup>8</sup> on the matter in hand, both severally and collectively. The bundle of wands thus imbued with supernatural wisdom, became naturally part of the regular priestly costume,<sup>9</sup> and was carried by the Magi on all occasions of ceremony. The wands were of different lengths; and the number of wands in the bundle varied. Sometimes there were three, sometimes five, sometimes as many as seven or nine; but in every case, as it would seem, an odd number.<sup>10</sup>

Another implement which the priests commonly bore must be regarded, not as Magian, but as Zoroastrian. This is the *khrafĀthraghna*, or instrument for killing bad animals,<sup>11</sup> frogs, toads, snakes, mice, lizards, flies, &c., which belonged to the bad creation, or that which derived its origin from *Angrô-mainyus*. These it was the general duty of all men, and the more especial duty of the Zoroastrian priests, to put to death, whenever they had the opportunity. The Magi, it appears, adopted this Arian usage, added the *khrafĀthraghna* to the *barsom*, and were so zealous in their performance of the cruel work expected from them as to excite the attention, and even draw upon themselves the rebuke, of foreigners.<sup>12</sup>

A practice is assigned to the Magi by many classical and ecclesiastical writers,<sup>13</sup> which, if it were truly charged on them,

<sup>7</sup> Herod. iv. 67. The only difference seems to be that the European Scyths used willow wands, the Magi twigs of the *tamariak*.

<sup>8</sup> The prophet Hosea evidently refers to this custom when he says (iv. 12), "My people ask counsel at their stocks; and their staff declareth unto them." It must therefore have been practised in Western Asia at least as early as B.C. 700. See also Ezek. viii. 17: "And, lo, they put the *branch* to their nose."

<sup>9</sup> *Vendidad*, Farg. xviii. 1-6; Strab. xv. 3, §§ 14 and 15.

<sup>10</sup> *Yaçna*, lvii. 6. <sup>11</sup> *Vendidad*, i. s. c.

<sup>12</sup> Herodotus had evidently seen Magi pursuing their pious pastime, "killing ants and snakes, and seeming to take a delight in the employment" (i. 140). Though speaking in his usual guarded way of a religious custom, he does not fail to indicate that he was shocked as well as astonished.

<sup>13</sup> *Xanthus ap. Clem. Alex. Strom.* iii.

would leave a very dark stain on the character of their ethical system. It is said that they allowed and even practised incest of the most horrible kind—such incest as we are accustomed to associate with the names of Lot, Œdipus, and Herod Agrippa. The charge seems to have been first made either by Xanthus the Lydian, or by Ctesias. It was accepted, probably without much inquiry, by the Greeks generally, and then by the Romans, was repeated by writer after writer as a certain fact, and became finally a stock topic with the early Christian apologists. Whether it had any real foundation in fact is very uncertain. Herodotus, who collects with so much pains the strange and unusual customs of the various nations whom he visits, is evidently quite ignorant of any such monstrous practice. He regards the Magian religion as established in Persia, yet he holds the incestuous marriage of Cambyses with his sister to have been contrary to existing Persian laws.<sup>14</sup> At the still worse forms of incest of which the Magi and those under their influence are accused, Herodotus does not even glance. No doubt, if Xanthus Lydus really made the statement which Clemens of Alexandria assigns to him, it is an important piece of evidence, though scarcely sufficient to prove the Magi guilty. Xanthus was a man of little judgment, apt to relate extravagant tales;<sup>1</sup> and, as a Lydian, he may have been not disinclined to cast an aspersion on the religion of his country's oppressors. The passage in question, however, probably did not come from Xanthus Lydus, but from a much later writer who assumed his name, as has been well shown by a living critic.<sup>2</sup> The true original author of the accusation against the Magi and their co-religionists seems to have been Ctesias,<sup>3</sup>

p. 515; Ctesias ap. Tertull. *Apolog.* p. 10, C.; Antisthenes ap. Athen. *Deipn.* v. 63, p. 220, C.; Diog. Laert. *Proem.* § 7; Strab. xv. 3, § 20; Catull. *Carm.* xc. 3; Lucian. *De Sacrific.* § 5; Philo Judæus, *De decalog.* p. 778; Tertull. *Ad. Nat.* i. 15; Orig. *Cont. Cels.* v. p. 248; Clem. Alex. *Ped.* i. 7, p. 131; Minucius, *Octav.* 31, p. 155; Agathias, ii. 24.

<sup>14</sup> Herod. iii. 31.

<sup>1</sup> See his fragments in C. Müller's

*Fragm. Hist. Gr.* vol. i. pp. 36-44; and especially Frs. 11, 12, and 19.

<sup>2</sup> See Müller's Introduction to vol. i. of the *Fragm. Hist. Gr.* pp. xxi. and xxii.

<sup>3</sup> If the Antisthenes quoted by Athenæus is the philosopher, as he was contemporary with Ctesias, he may have been the first to make the charge. But there were at least four Greek writers who bore the name of Antisthenes. (See Diog. Laert. vi. 19.)

whose authority is far too weak to establish a charge intrinsically so improbable. Its only historical foundation seems to have been the fact that incestuous marriages were occasionally contracted by the Persian kings; not, however, in consequence of any law, or religious usage, but because in the plentitude of their power they could set all law at defiance, and trample upon the most sacred principles of morality and religion.<sup>4</sup>

A minor charge preferred against the Magian morality by Xanthus, or rather by the pseudo-Xanthus, has possibly a more solid foundation. "The Magi," this writer said "hold their wives in common: at least they often marry the wives of others with the free consent of their husbands." This is really to say that among the Magians divorce was over-facile; that wives were often put away, merely with a view to their forming a fresh marriage, by husbands who understood and approved of the transaction. Judging by the existing practice of the Persians,<sup>5</sup> we must admit that such laxity is in accordance with Iranic notions on the subject of marriage—notions far less strict than those which have commonly prevailed among civilised nations. There is, however, no other evidence, besides this, that divorce was very common where the Magian system prevailed; and the mere assertion of the writer who personated Xanthus Lydus will scarcely justify us in affixing even this stigma on the religion.

Upon the whole, Magism, though less elevated and less pure than the old Zoroastrian creed, must be pronounced to have possessed a certain loftiness and picturesqueness which suited it to become the religion of a great and splendid monarchy. The mysterious fire-altars on the mountain-tops, with their prestige of a remote antiquity—the ever-burning flame believed to have

<sup>4</sup> Herod. iii. 31. Οἱ βασιλῆες δικασταὶ  
ὑπεκρίνοντο . . . ἰξενυρκῆναι νόμον,  
τῷ βασιλεύοντι Περσῶν ἔξιναι ποιεῖν τὸ ἀν-  
βούληται.

<sup>5</sup> Ker Porter says: "The lower ranks [of Persians], seldom being able to support more than the privileged number of wives, are often ready to change them on any plea, when time, or any other

cause, has a little sullied their freshness. . . . When matrimonial differences arise, of sufficient magnitude to occasion a wish to separate, the grievances are stated by both parties before the judge; and if duly substantiated, and the complainants persist in demanding a divorce, he furnishes both with the necessary certificates." (*Travels*, vol. i. p. 342.)



been kindled from on high — the worship in the open air under the blue canopy of heaven — the long troops of Magians in their white robes, with their strange caps, and their mystic wands — the frequent prayers — the abundant sacrifices<sup>6</sup> — the long incantations — the supposed prophetic powers of the priest-caste, — all this together constituted an imposing whole at once to the eye and to the mind, and was calculated to give additional grandeur to the civil system that should be allied with it. Pure Zoroastrianism was too spiritual to coalesce readily with Oriental luxury and magnificence, or to lend strength to a government based on the ordinary principles of Asiatic despotism. Magism furnished a hierarchy to support the throne, and add splendour and dignity to the court, while they overawed the subject-class by their supposed possession of supernatural powers, and of the right of mediating between heaven and man. It supplied a picturesque worship which at once gratified the senses and excited the fancy. It gave scope to man's passion for the marvellous by its incantations, its divining-rods, its omen-reading, and its dream-expounding. It gratified the religious scrupulosity which finds a pleasure in making to itself difficulties, by the disallowance of a thousand natural acts, and the imposition of numberless rules for external purity.<sup>7</sup> At the same time it gave no offence to the anti-idolatrous spirit in which the Arians had hitherto gloried, but rather encouraged the iconoclasm which they always upheld and practised. It thus blended easily with the previous creed of the people, awaking no prejudices, clashing with no interests; winning its way by an apparent meekness and unpresumingness, while it was quite prepared, when the fitting time came, to be as fierce and exclusive as if it had never worn the mask of humility and moderation.<sup>8</sup>

<sup>6</sup> Xen. *Cyrop.* viii. 3, §§ 11 and 24; Herod. vii. 43.

<sup>7</sup> See the minute directions for escaping or removing impurity, contained in the *Vendidad*, Farg. 8, 9, 10, 11, 16, and 17. All these chapters seem Magian rather than Zoroastrian.

<sup>8</sup> I cannot conclude this chapter with-

out expressing my obligations to Dr. Martin Haug, from whose works I have mainly derived my acquaintance with the real contents of the *Zendavesta*. I have rarely ventured to differ from him in the inferences which he draws from those contents. In one important respect only do I find my views seriously at

variance with his. I regard Magism as in its origin completely distinct from Zoroastrianism, and as the chief cause of its corruption, and of the remarkable difference between the earlier and the later of the Zendic books. In this view I am happy to find myself supported by Westergaard, who writes as follows in his "Preface" to the *Zendavesta* (p. 17): "The faith ascribed by Herodotus to the Persians is not the lore of Zoroaster; nor were the Magi in the time of Darius the priests of Ormazd. Their name, *Magu*, occurs only twice in all the extant Zend texts, and here in a general sense, while Darius opposes his creed to that of the Magi, whom he treated most unmercifully. Though Darius was the mightiest king of Persia, yet his memory and that of his predecessors on the

thrones of Persia and Media has long since utterly vanished from the recollections of the people. It was supplanted by the foreign North-Iranian mythology, which terminates with Vish-taspa and his sons; and with these persons the later Persian tradition has connected the Achæmenian Artaxerxes, the Long-Handed, as if he especially had contributed to the propagation and establishment in Western Iran of the Zoroastrian belief. But *this latter would appear early to have undergone some modification, perhaps even from the influence of Magism itself*; and it may have been in this period that the Magi, turning to the faith of their sovereigns" (or, rather, turning their sovereigns to their faith), "became the priests of Ormazd."

## CHAPTER V.

## LANGUAGE AND WRITING.

*Ὁμόγλωττοι παρὰ μικρὸν οἱ Πέρσαι καὶ οἱ Μῆδοι.* — STRAB. XV. 2, § 8.

ON the language of the ancient Medes a very few observations will be here made. It has been noticed already<sup>1</sup> that the Median form of speech was closely allied to that of the Persians. The remark of Strabo quoted above, and another remark which he cites from Nearchus,<sup>2</sup> imply at once this fact, and also the further fact of a dialectic difference between the two tongues. Did we possess, as some imagine that we do, materials for tracing out this diversity, it would be proper in the present place to enter fully on the subject, and instead of contenting ourselves with asserting, or even proving, the substantial oneness of the languages, it would be our duty to proceed to the far more difficult and more complicated task of comparing together the sister dialects, and noting their various differences. The supposition that there exist means for such a comparison is based upon a theory that in the language of the Zendavesta we have the true speech of the ancient people of Media, while in the cuneiform inscriptions of the Achæmenian kings it is beyond controversy that we possess the ancient language of Persia. It becomes necessary, therefore, to examine this theory, in order to justify our abstention from an inquiry on which, if the theory were sound, we should be now called upon to enter.

The notion that the Zend language was the idiom of ancient Media originated with Anquetil du Perron. He looked on Zoroaster as a native of Azerbaijan, contemporary with Darius

<sup>1</sup> See above, ch. lii. p. 306.

<sup>2</sup> Νέαρχος δὲ τὰ πλείεστα ἔθη καὶ τὴν διὰ- | λεκτὸν τῶν Καρμανιτῶν Περσικὰ τε καὶ  
Μηδικὰ εἴρηκε. Strab. xv. 2, § 14.

Hystaspis. His opinion was embraced by Kleuker, Herder, and Rask;<sup>3</sup> and again, with certain modifications, by Tychsen<sup>4</sup> and Heeren.<sup>5</sup> These latter writers even gave a more completely Median character to the Zendavesta, by regarding it as composed in Media Magna, during the reign of the great Cyaxares. The main foundation of these views was the identification of Zoroastrianism with the Magian fire-worship, which was really ancient in Azerbaijan, and flourished in Media under the great Median monarch. But we have seen that Magianism and Zoroastrianism were originally entirely distinct, and that the Zendavesta in all its earlier portions belongs wholly to the latter system. Nothing therefore is proved concerning the Zend dialect by establishing a connection between the Medes and Magism, which was a corrupting influence thrown in upon Zoroastrianism long after the composition of the great bulk of the sacred writings.

These writings themselves sufficiently indicate the place of their composition. It was not Media, but Bactria, or at any rate the north-eastern Iranic country, between the Bolor range and the Caspian. This conclusion, which follows from a consideration of the various geographical notices contained in the Zend books, has been accepted of late years by all the more profound Zend scholars. Originated by Rhode,<sup>6</sup> it has also in its favour the names of Burnouf, Lassen, Westergaard, and Haug.<sup>7</sup> If then the Zend is to be regarded as really a local dialect, the idiom of a particular branch of the Iranic people, there is far more reason for considering it to be the ancient speech of Bactria than of any other Arian country. Possibly the view is correct which recognises two nearly-allied dialects as existing side by side in Iran during its flourishing period — one pre-

<sup>3</sup> See his work *On the Antiquity and Genuineness of the Zendavesta*.

<sup>4</sup> *Comment. Soc. Götting.* vol. xi. pp. 112 et seq.

<sup>5</sup> *Asiatic Nations*, vol. i. p. 322, E. T.

<sup>6</sup> See his work *Die heilige Sage und das gesammte Religionssystem der alten Baktrer, Meder und Perser, oder des Zendvolks*, Frankfort, 1820.

<sup>7</sup> Burnouf, *Commentaire sur le Yaçna*,

note, p. xciii; Westergaard, Preface to *Zendavesta*, p. 16; Haug, *Essoyn*, p. 42. Dr. Donaldson appears to have adopted the Median theory after it was generally discarded on the Continent. See the second edition of his *New Cratylus* (published in 1850), where he speaks of the Zend language as "exhibiting some strongly-marked features of the Median dialect." (pp. 126, 127).

vailing towards the west, the other towards the east — one Medo-Persic, the other Sogdo-Bactrian — the former represented to us by the cuneiform inscriptions, the latter by the Zend texts.<sup>8</sup> Or it may be closer to the truth to recognise in the Zendic and Achæmenian forms of speech, not so much two contemporary idioms, as two stages of one and the same language, which seems to be at present the opinion of the best comparative philologists.<sup>9</sup> In either case Media can claim no special interest in Zend, which, if local, is Sogdo-Bactrian, and if not local is no more closely connected with Media than with Persia.

It appears then that we do not at present possess any means of distinguishing the shades of difference which separated the Median from the Persian speech.<sup>10</sup> We have in fact no specimens of the former beyond a certain number of words, and those chiefly proper names, whereas we know the latter tolerably completely from the inscriptions. It is proposed under the head of the "Fifth Monarchy" to consider at some length the general character of the Persian language as exhibited to us in these documents. From the discussion then to be raised may be gathered the general character of the speech of the Medes. In the present place all that will be attempted is to show how far the remnants left us of Median speech bear out the statement that, substantially, one and the same tongue was spoken by both peoples.

Many Median names are absolutely identical with Persian; e.g., Ariobarzanes,<sup>11</sup> Artabazus,<sup>12</sup> Artæus,<sup>13</sup> Artembares,<sup>14</sup> Har-

<sup>8</sup> This view has been maintained by Burnouf and Lassen. It seems to be also held by Haug (*Essays*, pp. 42, 43), and Westergaard (Preface to *Zendavesta*, p. 16).

<sup>9</sup> Max Müller, *Languages of the Seat of War*, p. 32; Bunsen, *Philosophy of History*, vol. iii. pp. 110-115.

<sup>10</sup> If any difference can be pointed out, it is the greater fondness of the Medes for the termination *-ak*, which is perhaps Scythic. (Compare the terminal guttural so common in the primitive Chaldæan, and the Basque *-c* at the end of names, which is said to be a suffixed article.) We have this ending in Deïoces

(Dahak), Astyages (Aj-dahak), Arbaces or Harpag-us, Mandauc-es, Rhambac-as, Spitac-es, &c. And we have it again in *spak*, "dog."

<sup>11</sup> A Median Ariobarzanes is mentioned by Tacitus (*Ann.* ii. 4).

<sup>12</sup> Artabazus is given as a Median name by Xenophon (*Cyrop.* i. 4, § 27).

<sup>13</sup> Artæus appears as a Median king in Ctesias (ap. Diod. Sic. ii. 32, § 6), as a Persian in Herod. (vii. 66).

<sup>14</sup> Herodotus has both a Persian (ix. 122) and a Median Artembares (i. 114), both a Persian (vi. 28) and a Median Harpagus (i. 108). Arbaces is probably the same name. According to Ctesias

pagus, Arbaces, Tiridates, &c.<sup>15</sup> Others which are not absolutely identical approach to the Persian form so closely as to be plainly mere variants, like Theodorus and Theodosius, Adelbert and Ethelbert, Miriam, Mariam, and Mariamn  . Of this kind are Intaphres,<sup>16</sup> another form of Intaphernes, Artynes, another form of Artanes,<sup>17</sup> Parmises, another form of Parmys,<sup>18</sup> and the like. A third class, neither identical with any known Persian names, nor so nearly approaching to them as to be properly considered mere variants, are made up of known Persian roots, and may be explained on exactly the same principles as Persian names. Such are Ophernes, Sitraphernes, Mitra-phernes, Megabernes, Aspadas, Mazares, Tachmaspates, Xathrites, Spitaces, Spitamas, Rhambacas, and others. In O-phernes, Sitra-phernes, Mitra-phernes, and Mega-bernes, the second element is manifestly the *pharna* or *frana* which is found in Arta-phernes and Inta-phernes (*Vida-frana*),<sup>1</sup> an active participial form from *pri*, "to protect." The initial element in O-phernes represents the Zend *hu*, Sans. *su*, Greek *εϋ*, as the same letter does in O-manes, O-martes, &c.<sup>2</sup> The *Sitra* of Sitra-phernes has been explained as probably *khshatra*, "the crown,"<sup>3</sup> which is similarly represented in the *Satro*-pates of Curtius, a name standing to Sitra-phernes exactly as Artapatas to Arta-phernes.<sup>4</sup> In Mega-bernes the first element is the well-known *baga*, "God,"<sup>5</sup> under the form commonly pre-

(ap. Diod. Sic. ii. 32, § 5), it was borne by a Median king; according to Xenophon (*Anab.* vii. 8, § 25), by a Persian satrap.

<sup>15</sup> Tiridates appears as the name of a Mede in Nicolas of Damascus (Fr. 66, p. 402); in Q. Curtius (v. 5, § 2) and   lian (*Hist. Var.* xii. 1) it is the name of a Persian.

<sup>16</sup> See *Behistun Inscription*, col. iv. par. 14, § 3. For the name of Intaphernes, see Herod. iii. 70.

<sup>17</sup> Artynes is one of Ctesias's Royal Median names (Diod. Sic. ii. 34, § 1); Artanes was a brother of Darius Hystaspis (Herod. vii. 224).

<sup>18</sup> According to Ctesias's (*Pers. Exc.* § 3), Parmises was a son of Astyages. Parmys, according to Herodotus, was a

daughter of Smerdis, the son of Cyrus (iii. 88).

<sup>1</sup> *Behist. Inscr.* col. iv. par. 18, § 4.

<sup>2</sup> See the author's *Herodotus*, vol. iii. p. 451, 2nd edition.

<sup>3</sup> *Ibid.* p. 453.

<sup>4</sup> Artapatas, a name mentioned by Xenophon (*Anab.* i. 6, § 11), means probably "protected by fire." Artaphernes (Herod. v. 30) means "protecting the fire." So Satropates means "protected by the crown"—Sitrophernes "protecting the crown."

<sup>5</sup> See the Inscriptions, passim. The later ones almost all begin with the formula, *Baga vazarka Avramazda*, "Deus magnus [est] Oromasdes." *Baga* has been well compared with the Slavonic *bog*.

ferred by the Greeks;<sup>6</sup> and the name is exactly equivalent to Curtius's *Bago-phanes*,<sup>7</sup> which only differs from it by taking the participle of *pa*, "to protect," instead of the participle of *pri*, which has the same meaning. In Aspa-das it is easy to recognise *aspa*, "horse" (a common root in Persian names, e.g., *Aspa-thines*, *Aspa-mitras*, *Prex-aspes*, and the like<sup>8</sup>), followed by the same element which terminates the name of Oromaz-des, and which means either "knowing" or "giving."<sup>9</sup> Ma-zares presents us with the root *meh*, "much" or "great," which is found in the name of the *M-aspii*, or "Big Horses," a Persian tribe,<sup>10</sup> followed by *zara*, "gold," which appears in Ctesias's *Arto-zares*,<sup>11</sup> and perhaps also in *Zoro-aster*.<sup>12</sup> In Tachmaspates,<sup>13</sup> the first element is *takhma*, "strong," a root found in the Persian names *Ar-tochmes* and *Tritan-tæchmes*,<sup>14</sup> while the second is the frequently used *pati*, "lord," which occurs as the initial element in *Pati-zeithes*,<sup>15</sup> *Pati-ramphe*s, &c.,<sup>16</sup> and as the terminal in *Pharna-pates*,<sup>17</sup> *Ario-peithes*, and the like. In Xathrites<sup>18</sup> we have clearly *khshatra* (Zend *khshathra*), "crown" or "king," with a participial suffix *-ita*, corresponding to the Sanscrit participle in *-it*. Spita-ces<sup>19</sup> and Spita-mas<sup>20</sup> contain the root *spita*, equivalent to *spenta*, "holy,"<sup>21</sup> which is

<sup>6</sup> The Greeks having really no *b*, since their *s* had the sound of *v*, were always inclined to express a real *b* by the nearest labial, *m*. Thus they say *Mardus*, *Merdis*, or *Smerdis* for *Bardius*, *Magæus* for *Bagæus*, *Marmaridæ* for *Berbers*, and the like. On their frequent representation of the Persian *Baga* by *Mega*—see the author's *Herodotus*, vol. iii. pp. 450, 451, 2nd ed. *Baga*, however, retains its place sometimes. (See *Herod. vii. 75*; *Ctes. Pers. Exc. § 9*; *Q. Curt. Vit. Alex. v. 1*.)

<sup>7</sup> *Q. Curt. Vit. Alex. i. s. c.*

<sup>8</sup> Compare the frequent occurrence of *ἱστρος*, both as an initial and as a terminal element, in the names of the Greeks.

<sup>9</sup> *Dâ* in old Arian has this double meaning, corresponding both to *δάω* and to *δαίω* (*δαΐωμαι*) in Greek.

<sup>10</sup> *Herod. i. 125*. On the animal character of many ethnic names, see the author's *Herodotus*, vol. iii. p. 450.

<sup>11</sup> *Ctes. Pers. ap. Phot. Bibliothec. lxxii. p. 127*.

<sup>12</sup> Various explanations have been given of the name Zoroaster. Some writers regard it as Semitic, and make it equal *Ziru-Ishtar*, "the seed of Ishtar" (*Journal of Asiatic Society*, vol. xv. p. 246). But most take it to be Arian. *Burnouf* suggests "having yellow camels," from *zarath*, and *ustra*; *Brockhaus* makes it "golden star," from *zara* and *thustra*. *Windischmann* inclines to this last explanation (*Zoroastrische Studien*, pp. 46, 47), but still views it as very doubtful indeed (*höchst problematisch*).

<sup>13</sup> *Behist. Inscr. col. ii. par. 14, § 6*.

<sup>14</sup> *Herod. i. 192*; *vii. 73*.

<sup>15</sup> *Ibid. iii. 61*.

<sup>16</sup> *Ibid. vii. 40*.

<sup>17</sup> For *Bagapates*, see *Ctes. Pers. Exc. § 9*; for *Pharnapates*, see *Dio. Cass. xlviii. 41*.

<sup>18</sup> *Behist. Inscr. col. ii. par. 5, § 4*.

<sup>19</sup> *Ctes. Pers. Exc. § 2*.

<sup>20</sup> *Ibid.*

<sup>21</sup> The Iranians disliked the com-

found in *Spitho-bates*, *Spita-menes*, *Spita-des*, &c. This, in *Spita-ces*, is followed by a guttural ending, which is either a diminutive corresponding to the modern Persian *-ek*, or perhaps a suffixed article.<sup>22</sup> In *Spit-amas*, the suffix *-mas* is the common form of the superlative, and may be compared with the Latin *-mus* in *optimus*, *intimus*, *supremus*, and the like. *Rhambacas*<sup>23</sup> contains the root *rafno*, "joy, pleasure," which we find in *Pati-ramphe*s, followed by the guttural suffix.

There remains, finally, a class of Median names, containing roots not found in any known names of Persians, but easily explicable from Zend, Sanscrit, or other cognate tongues, and therefore not antagonistic to the view that Median and Persian were two closely connected dialects. Such, for instance, are the royal names mentioned by Herodotus, *Deioces*, *Phraortes*, *Astyages*, and *Cyaxares*; and such also are the following, which come to us from various sources: *Amytis*, *Astibaras*, *Armamithres* or *Harmamithres*, *Mandauc*es, *Parsondas*, *Ramates*, *Susiscanes*, *Tithæus*, and *Zanasanes*.

In *Deioces*, or (as the Latins write it) *Dejoces*, there can be little doubt that we have the name given as *Djohak* or *Zohak* in the *Shahnameh* and other modern Persian writings, which is itself an abbreviation of the *Ajis-dahaka* of the *Zendavesta*.<sup>24</sup> *Dahaka* means in Zend "biting," or "the biter," and is etymologically connected with the Greek *δάκνω*, *δάκνος*, *ὀδάξ*, κ. τ. λ.

*Phraortes*, which in old Persian was *Fravartish*,<sup>25</sup> seems to be a mere variant of the word which appears in the *Zendavesta* as *fravashi*, and designates each man's *tutelary* genius.<sup>26</sup> The derivation is certainly from *fra* (= Gk. *φο-*), and probably from a root akin to the German *wahren*, French *garder*, English "ward, watch," &c. The meaning is "a protector."

*Cyaxares*, the Persian form of which was 'Uvakhshatara,<sup>27</sup>

bination of the nasal with the dental, and said *Hidush* for *Hendu* (Hindu-stan), *Haetumat* for *Etymandrus*, *çata* for *centum*, &c. So we have frequently, though not always, *spita* for *spenta*.

<sup>22</sup> See above, p. 358, note <sup>10</sup>.

<sup>23</sup> Xen. *Cyrop.* V. iii. § 42.

<sup>24</sup> See above, ch. iv. p. 342. Mirkhond

(*History*, p. 123) derives *Zohak* from *Deh-ak*, "ten vices"—which is hardly a name that a king would choose to bear.

<sup>25</sup> *Behist. Inscr.* col. ii. par. 5, § 2.

<sup>26</sup> See Haug, *Essays*, p. 186. The *fravashi* are called *fravardin* in the Pehlevi, and *frohars* in the modern Persian.

<sup>27</sup> *Behist. Inscr.* col. ii. par. 5, § 4.



seems to be formed from the two elements 'u or hu (Gk. *eu*), "well, good," and *akhsha* (Zend *arsna*), "the eye," which is the final element of the name *Cyavarsna* in the Zendavesta. *Cyavarsna* is "dark-eyed;"<sup>28</sup> 'Uvakhsha (= Zend *Huvarana*) would be "beautiful-eyed." 'Uvakhshatara appears to be the comparative of this adjective, and would mean "more beautiful-eyed (than others)."

Astyages, which, according to Moses of Chorêné,<sup>29</sup> meant "a dragon" or "serpent," is almost certainly *Ajis-dahaka*, the full name whereof *Dejoces* (or *Zohak*) is the abbreviation. It means "the biting snake," from *aji* or *azi*, "a snake" or "serpent," and *dahaka*, "biting."

Amytis is probably *ama*, "active, great," with the ordinary feminine suffix *-iti*, found in *Armaiti*, *Khathaiti*, and the like.<sup>1</sup> *Astibaras* is perhaps "great of bone,"<sup>2</sup> from Zend *apta* (Sans. *asthi*), "bone," and *bereza*, "tall, great." *Harmamithres*,<sup>3</sup> if that is the true reading, would be "mountain-lover" (*monticolus*), from *harâm*, acc. of *hara*, "a mountain," and *mithra* or *mitra* (= Gr. *φιλος*), "fond of." If, however, the name should be read as *Armamithres*, the probable derivation will be from *râma*, acc. of *râman*, "pleasure," which is also the root of *Rama-tes*.<sup>4</sup> *Armamithres* may then be compared with *Rheomithres*, *Siromitras*, and *Sysimithres*,<sup>5</sup> which are respectively "fond of splendour," "fond of beauty," and "fond of light." *Mandaucēs*<sup>6</sup> is perhaps "biting spirit—*esprit mordant*," from *manô*, "cœur, esprit," and *dahaka*, "biting."<sup>7</sup> *Parsondas* can scarcely be the original form, from the occurrence in it of the

<sup>28</sup> Brockhaus, *Vendidad-Sadé*, p. 401.

<sup>29</sup> *Hist. Armen.* i. 29. A recent writer maintains that *Astyages* is a Greek translation of the Median name, of which *Astibaras* is "another slightly different rendering." He would derive the former from *ἀστν* and *ἀγν*, the latter from *ἀστν* and *βάρος*! (Galloway on *Isaiah*, pp. 383, 384.)

<sup>1</sup> See above, pp. 326 and 342.

<sup>2</sup> Herodotus remarks that the Persian names were often significative of some physical excellence (i. 139).

<sup>3</sup> Herod. vii. 88. Several MSS. give the aspirate. See Gaisford, ad loc.

<sup>4</sup> See above, p. 192, note <sup>6</sup>.

<sup>5</sup> *Rheomithres* is given as a Persian name by Arrian (*Exp. Al.* ii. 11), *Siromitras* by Herodotus (vii. 79), and *Sysimithres* by Q. Curtius (*Vit. Alex.* viii. 4).

<sup>6</sup> *Mandaucēs* is one of Ctesias's Median kings. (See below, p. 381, note <sup>1</sup>.)

<sup>7</sup> Or *dahaka* may be considered to have passed from an epithet into a name, and the proper translation may be "serpent-minded."

nasal before the dental.<sup>8</sup> In the original it must have been *Par-sodas*, which would mean "liberal, much-giving," from *pourus*, "much," and *da* (=Gk. *δίδωμι*), "to give." *Ramates*, as already observed, is from *rama*, "pleasure." It is an adjectival form, like *Datis*,<sup>9</sup> and means probably "pleasant, agreeable." *Susiscanes*<sup>10</sup> may be explained as "splendidus juvenis," from *çuc*, "splendere," pres. part. *çao-cat*, and *kainin*, "adolescens, juvenis." *Tithæus*<sup>11</sup> is probably for *Tathæus*, which would be readily formed from *tatka*, "one who makes."<sup>12</sup> Finally, *Zanasanes*<sup>13</sup> may be referred to the root *zan* or *jan*, "to kill," which is perhaps simply followed by the common appellative suffix *-ana* (Gk. *-άνης*).

From these names of persons we may pass to those of places in Media, which equally admit of explanation from roots known to have existed either in Zend or in old Persian. Of these, *Ecbatana*, *Bagistana*, and *Aspadana* may be taken as convenient specimens. *Ecbatana* (or *Agbatana*, according to the orthography of the older Greeks<sup>14</sup>) was in the native dialect *Hagmatana*, as appears from the Behistun inscription.<sup>15</sup> This form, *Hagmatana*, is in all probability derived from the three words *ham*, "with" (Sans. *sam*, Gk. *σύν*, Latin *cum*), *gam*, "to go" (Zend *gā*, Sans. *gam*), and *çtana* (Mod. Pers. *-stan*) "a place." The initial *ham* has dropped the *m* and become *ha*, just as *σύν* becomes *σν-* in Greek, and *cum* becomes *co-* in Latin; *gam* has become *gma* by metathesis; and *çtan* has passed into *-tan* by phonetic corruption. *Ha-gma-tana* would be "the place for assembly," or for "coming together" (Lat. *comitium*); the place, i.e., where the tribes met, and where, consequently, the capital grew up.

*Bagistan*, which was "a hill sacred to Jupiter" according to *Diodorus*,<sup>16</sup> is clearly a name corresponding to the Beth-el of

<sup>8</sup> See above, p. 360, note<sup>21</sup>. The name *Parsondas* comes to us through *Nicolas of Damascus* (Fr. 10).

<sup>9</sup> See the author's *Herodotus* (vol. iii. p. 448), where *Datis* is explained as "liberal."

<sup>10</sup> *Æschyl. Pers.* 939. The foreign names in *Æschylus* are not always to be depended on. (See *Blomfield's note on the Persæ*, l. 22.) But still many of them are real names.

<sup>11</sup> *Herod.* vii. 88.

<sup>12</sup> For the termination in *-æus*, compare *Bagæus*, *Magæus*, *Mazæus*, &c., well-known names of Persians.

<sup>13</sup> *Supra*, p. 192, note<sup>6</sup>.

<sup>14</sup> So *Æschylus (Pers.* 16), *Herodotus* (i. 98), and *Aristophanes (Acharn.* 64).

<sup>15</sup> *Col.* ii. par. 13, § 7.

<sup>16</sup> *Diod. Sic.* ii. 13, § 2. Ὀρος ἱερὸν Διός.

the Hebrews and the Allahabad of the Mahometans. It is simply "the house, or place, of God" — from *baga*, "God," and *çtana*, "place, abode," the common modern Persian terminal (compare *Farsi-stan*, *Khuzi-stan*, *Affghani-stan*, *Belochi-stan*, *Hindu-stan*, &c.), which has here not suffered any corruption.

Aspadana contains certainly as its first element the root *açpa*, "horse."<sup>17</sup> The suffix *dan* may perhaps be a corruption of *çtana*, analogous to that which has produced *Hama-dan* from *Hagma-çtan*; or it may be a contracted form of *danhû*, or *dainhu*, "a province," Aspadana having been originally the name of a district where horses were bred, and having thence become the name of its chief town.

The Median words known to us, other than names of persons or places, are confined to some three or four. Herodotus tells us that the Median word for "dog" was *spaka*;<sup>18</sup> Xenophon implies, if he does not expressly state, that the native name for the famous Median robe was *candys*;<sup>19</sup> Nicolas of Damascus<sup>20</sup> informs us that the Median couriers were called *Angari* (*ἄγγροι*); and Hesychius says that the *artabé* (*ἀρτάβη*) was a Median measure.<sup>21</sup> The last-named writer also states that *artades* and *devas* were *Magian* words,<sup>22</sup> which perhaps implies that they were common to the Medes with the Persians. Here, again, the evidence, such as it is, favours a close connection between the languages of Media and Persia.

That *artabé* and *angarus* were Persian words no less than Median, we have the evidence of Herodotus.<sup>23</sup> *Artades*, "just men" (according to Hesychius), is probably akin to *ars*, "true, just," and may represent the *ars-dâta*, "made just," of the *Zendavesta*.<sup>24</sup> *Devas* (*δῆνας*), which Hesychius translates "the evil gods" (*τοῖς κακοῖς θεοῖς*),<sup>25</sup> is clearly the *Zendic daēva*.

<sup>17</sup> *Açpa* is a common root in Median local names, as will be seen by reference to the list in Ptolemy (*Geograph.* vi. 2). Besides Aspadana, which Ptolemy places in Persia, we find among his Median towns *Pharaspā*, *Phanaspa*, and *Vasaspā*. The whole country was famous for its breed of horses. <sup>18</sup> Herod. i. 110.

<sup>19</sup> Xen. *Cyrop.* i. 3, § 2.

<sup>20</sup> Nic. Dam. Fr. 10, p. 361.

<sup>21</sup> Hesych. ad. voc. ἀρτάβη.

<sup>22</sup> Ibid. ad. voc. ἀρτάδες and δῆνας.

<sup>23</sup> Herod. i. 192; viii. 98.

<sup>24</sup> See the *Glossary* of Brockhaus (*Vendidad-Sadé*, p. 350).

<sup>25</sup> This is beyond a doubt the true reading, and not τοῖς ἀκακοῖς θεοῖς, as the text stands in our present copies. On the old Arian notions with regard to the *devas*, see above, ch. iv. p. 330.

Mod. Pers. *div*. (Sans. *deva*, Lat. *divus*). In *candys* we have most probably a formation from *gan*, to dress, to adorn." *Spaka* is the Zendic *çpá*, with the Scythic guttural suffix, of which the Medes were so fond,<sup>26</sup> *çpá* itself being akin to the Sanscrit *çvan*, and so to *κύων* and *canis*.<sup>27</sup> Thus we may connect all the few words which are known as Median with forms contained in the Zend, which was either the mother or the elder sister of the ancient Persian.

That the Medes were acquainted with the art of writing, and practised it — at least from the time that they succeeded to the dominion of the Assyrians — scarcely admits of a doubt. An illiterate nation, which conquers one in possession of a literature, however it may despise learning and look down upon the mere literary life, is almost sure to adopt writing to some extent on account of its practical utility. It is true the Medes have left us no written monuments; and we may fairly conclude from that fact that they used writing sparingly; but besides the antecedent probability, there is respectable evidence that letters were known to them, and that, at any rate, their upper classes could both read and write their native tongue. The story of the letter sent by Harpagus the Mede to Cyrus in the belly of a hare,<sup>1</sup> though probably apocryphal, is important as showing the belief of Herodotus on the subject. The still more doubtful story of a dispatch written on parchment by a Median king, Artæus, and sent to Nanarus, a provincial governor, related by Nicolas of Damascus,<sup>2</sup> has a value, as indicating that writer's conviction that the Median monarchs habitually conveyed their commands to their subordinates in a written form. With these statements of profane writers agree certain notices which we find in Scripture. Darius the Mede, shortly after the destruction of the Median empire, "signs" a decree, which his chief nobles have presented to him in writing.<sup>3</sup> He also himself "writes" another decree addressed to his subjects generally.<sup>4</sup>

<sup>26</sup> See above, p. 358, note 10.

<sup>27</sup> The nearest representative of *spak* in modern European tongues is the Russian *sobak* or *sabak*.

<sup>1</sup> Herod. i. 123. <sup>2</sup> Nic. Dam. Fr. 10.

<sup>3</sup> Dan. vi. 9. "Wherefore King Darius signed the writing and the decree."

<sup>4</sup> Dan. vi. 25. "Then King Darius wrote unto all peoples, nations, and languages," &c.

In later times we find that there existed at the Persian court a "book of the chronicles of the kings of Media and Persia,"<sup>5</sup> which was probably a work begun under the Median and continued under the Persian sovereigns.

If then writing was practised by the Medes, it becomes interesting to consider whence they obtain their knowledge of it, and what was the system which they employed. Did they bring an alphabet with them from the far East, or did they derive their first knowledge of letters from the nations with whom they came into contact after their great migration? In the latter case, did they adopt, with or without modifications, a foreign system, or did they merely borrow the idea of written symbols from their new neighbours, and set to work to invent for themselves an alphabet suited to the genius of their own tongue? These are some of the questions which present themselves to the mind as deserving of attention, when this subject is brought before it. Unfortunately we possess but very scanty data for determining, and can do little more than conjecture, the proper answers to be given to them.

The early composition of certain portions of the Zendavesta, which has been asserted in this work,<sup>6</sup> may seem at first sight to imply the use of a written character in Bactria and the adjacent countries at a very remote era. But such a conclusion is not necessary. Nations have often had an oral literature, existing only in the memories of men, and have handed down such a literature from generation to generation, through a long succession of ages.<sup>7</sup> The sacred lore of Zoroaster may have been brought by the Medes from the East-Caspian country in an unwritten shape, and may not have been reduced to writing till many

<sup>5</sup> Esther x. 2.

<sup>6</sup> Supra, ch. iv. p. 332.

<sup>7</sup> It is generally allowed that the Homeric poems were for a long time handed down in this way. (Wolf, *Prolegomena de op. Homer.*; Payne Knight, *Prolegomena*, pp. 38-100; Matthiæ, *Greek and Roman Literature*, pp. 12-14; Grote, *Hist. of Greece*, vol. i. pp. 524-529, 2nd edition; &c.) The best Orientalists believe the same of the Vedas. The Druid-

ical poems of the ancient Gauls (*Cæs. Bell. Gall.* vi. 13, 14), the Icelandic Skalds, the Basque tales, the Ossianic poems, the songs of the Calmucks, the modern Greeks, and the modern Persians, are all instances of an oral literature completely independent of writing. It is quite possible that the Zendavesta was orally transmitted till the time of Darius Hystaspis — if not even to a later date.

centuries later. On the whole it is perhaps most probable that the Medes were unacquainted with letters when they made their great migration, and that they acquired their first knowledge of them from the races with whom they came into collision when they settled along the Zagros chain. In these regions they were brought into contact with at least two forms of written speech, one that of the old Armenians,<sup>8</sup> a Turanian dialect, the other that of the Assyrians, a language of the Semitic type. These two nations used the same alphabetic system, though their languages were utterly unlike; and it would apparently have been the easiest plan for the new comers to have adopted the established forms, and to have applied them, so far as was possible, to the representation of their own speech. But the extreme complication of a system which employed between three and four hundred written signs, and composed signs sometimes of fourteen or fifteen wedges, seems to have shocked the simplicity of the Medes, who recognised the fact that the varieties of their articulations fell far short of this excessive luxuriance. The Arian races, so far as appears, declined to follow the example set them by the Turanians of Armenia, who had adopted the Assyrian alphabet, and preferred to invent a new system for themselves, which they determined to make far more simple. It is possible that they found an example already set them. In Achæmenian times we observe two alphabets used through Media and Persia, both of which are simpler than the Assyrian: one is employed to express the Turanian dialect of the people whom the Arians conquered and dispossessed;<sup>9</sup> the other, to express the tongue of the conquerors. It is possible — though we have no direct evidence of the fact — that the Turanians of Zagros and the neighbourhood had already formed for themselves the alphabet which is found in the second columns of the Achæmenian tablets, when the Arian invaders

<sup>8</sup> The Armenians may perhaps not have been acquainted with writing when the Medes first reached Zagros. But they became a literary people at least as early as the 8th century B.C., while the Medes were still insignificant.

<sup>9</sup> Before this language had been ana-

lysed, it was conjectured to be Median. But Mr. E. Norris has plainly shown its Scythic or Turanian character (*Journal of the Asiatic Society*, vol. xv.); and it is now generally regarded as the speech of the subject population in Media and Persia.

conquered them. This alphabet, which in respect of complexity holds an intermediate position between the luxuriance of the Assyrian and the simplicity of the Medo-Persic system, would seem in all probability to have intervened in order of time between the two. It consists of no more than about a hundred characters,<sup>10</sup> and these are for the most part far less complicated than those of Assyria. If the Medes found this form of writing already existing in Zagros when they arrived, it may have assisted to give them the idea of making for themselves an alphabet so far on the old model that the wedge should be the sole element used in the formation of letters, but otherwise wholly new, and much more simple than those previously in use.

Discarding then the Assyrian notion of a syllabarium, with the enormous complication which it involves,<sup>11</sup> the Medes<sup>12</sup> strove to reduce sounds to their ultimate elements, and to represent these last alone by symbols. Contenting themselves with the three main vowel sounds, *a*, *i*, and *u*,<sup>13</sup> and with one breathing, a simple *h*, they recognised twenty consonants, which were the following, *b*, *d*, *f*, *g*, *j*, *k*, *kh*, *m*, *n*, *ñ* (sound doubtful), *p*, *r*, *s*, *sh*, *t*, *v*, *y*, *z*, *ch* (as in *much*), and *tr*, an unnecessary compound. Had they stopped here, their characters should have been but twenty-four, the number which is found in Greek. To their ears, however, it would seem, each consonant appeared to carry with it a short *a*, and as this, occurring before *i* and *u*, produced the diphthongs *ai* and *au*, sounded nearly as *ê* and *ô*,<sup>14</sup> it seemed necessary, where a consonant was to be directly followed by the sounds *i* or *u*, to have special forms to which the sound of *a* should not attach. This system, carried out completely, would have raised the forms of consonants to sixty, a multiplication

<sup>10</sup> Sir H. Rawlinson, in the *Journal of the Asiatic Society*, vol. x. p. 33.

<sup>11</sup> See above, vol. i. pp. 270, 271.



<sup>12</sup> It is here assumed that the Medes were the originators of the system which was afterwards employed by the Persians. There is no positive proof of this. But all the evidence which we possess favours the notion that the early Persian civilisation — and the writing belongs to the time of Cyrus — came to them from the

Medes, their predecessors in the empire. (See Herod. i. 134, 135; Xen. *Cyrop.* i. 3, § 2; viii. 3, § 1; Strab. xi. 13, § 9.)

<sup>13</sup> These were of course sounded broad, as in Italian — the *a* like a in "vast;" the *i* like ee in "feed;" the *u* like oo in "food."

<sup>14</sup> That is, as the Italian *e* and *o* in *aperto*, or as the diphthongs themselves in French, e.g. *fail*, *fauz*, &c.

that was feared as inconvenient. In order to keep down the number, it seems to have been resolved, (1.) that one form should suffice for the aspirated letters and the sibilants (viz., *h*, *kh*, *ch*, *ph* or *f*, *s*, *sh*, and *z*), and also for *b*, *y*, and *tr*; (2.) that two forms should suffice for the *tenues*, *k*, *p*, *t*, for the liquids *n* and *r*, and for *v*; and consequently (3.) that the full number of three forms should be limited to some three or four letters, as *d*, *m*, *j*, and perhaps *g*. The result is that the known alphabet of the Persians, which is assumed here to have been the invention of the Medes, consists of some thirty-six or thirty-seven forms, which are really representative of no more than twenty-three distinct sounds.<sup>15</sup>

It appears then that, compared with the phonetic systems in vogue among their neighbours, the alphabet of the Medes and Persians was marked by a great simplicity. The forms of the letters were also very much simplified. Instead of conglomerations of fifteen or sixteen wedges in a single character, we have in the Medo-Persic letters a maximum of five wedges. The most ordinary number is four, which is sometimes reduced to three or even two. The direction of the wedges is uniformly either perpendicular or horizontal, except of course in the case of the double wedge or arrow-head, , where the component elements are placed obliquely. The arrow-head has but one position, the perpendicular, with the angle facing towards the left hand. The only diagonal sign used is a simple wedge, placed obliquely with the point towards the right, , which is a mere mark of separation between the words.

The direction of the writing was, as with the Arian nations generally, from left to right. Words were frequently divided, and part carried on to the next line. The characters were inscribed between straight lines drawn from end to end of the tablet on which they were written. Like the Hebrew, they often closely resembled one another, and a slight defect in the stone will cause one to be mistaken for another. The resemblance is not between letters of the same class or kind; on the contrary, it is often between those which are most remote

<sup>15</sup> See Sir H. Rawlinson, Analysis of the Persian Alphabet in the *Journal of the Asiatic Society*, vol. x. pp. 153-86.



from one another. Thus *g* nearly resembles *u*; *ch* is like *d*; *tr* like *p*; and so on: while *k* and *kh*, *s* and *sh*, *p* and *ph* (or *j*) are forms quite dissimilar.

It is supposed that a cuneiform alphabet can never have been employed for ordinary writing purposes,<sup>1</sup> but must have been confined to documents of some importance, which it was desirable to preserve, and which were therefore either inscribed on stone, or impressed on moist clay afterwards baked. A cursive character, it is therefore imagined, must always have been in use, parallel with a cuneiform one;<sup>2</sup> and as the Babylonians and Assyrians are known to have used a character of this kind from a very high antiquity, synchronously with their lapidary cuneiform, so it is supposed that the Arian races must have possessed, besides the method which has been described as a cursive system of writing. Of this, however, there is at present no direct evidence. No cursive writing of the Arian nations at this time, either Median or Persian, has been found; and it is therefore uncertain what form of character they employed on common occasions.

The material used for ordinary purposes, according to Nicolas of Damascus<sup>3</sup> and Ctesias,<sup>4</sup> was parchment. On this the kings wrote the dispatches which conveyed their orders to the officers who administered the government of provinces; and on this were inscribed the memorials which each monarch was careful to have composed giving an account of the chief events of his reign. The cost of land carriage probably prevented papyrus from superseding this material in Western Asia, as it did in Greece at a tolerably early date.<sup>5</sup> Clay, so much used for writing on, both in Babylonia and Assyria,<sup>6</sup> appears never to have approved itself as a convenient substance to the Iranians. For public documents the chisel and the rock, for private the pen and the prepared skin, seem to have been preferred by them; and in the earlier times, at any rate, they employed no other materials.

<sup>1</sup> The cuneiform is a very convenient character for impression upon clay, or inscription upon stone. In the former case, a single touch of the instrument makes each wedge; in the latter, three taps of the chisel with the hammer cause the wedge to fall out. But characters

composed of wedges are very awkward to write.

<sup>2</sup> *Journal of the Asiatic Society*, vol. x. pp. 31 and 42.

<sup>3</sup> Frag. 10. See above, p. 365, note 1.

<sup>4</sup> Ap. Diod. Sic. ii. 32, § 4.

<sup>5</sup> Herod. v. 58.

<sup>6</sup> *Supra*, vol. i. pp. 67 and 267.

## CHAPTER VI.

## CHRONOLOGY AND HISTORY.

Media . . . quam ante regnum Cyri superioris et incrementa Persidos legimus Asiae reginam totius. — *ANN. MARC.* xxiii, 6.

THE origin of the Median nation is wrapt in a profound obscurity. Following the traces which the Zendavesta offers, taking into consideration its minute account of the earlier Arian migrations,<sup>1</sup> its entire omission of any mention of the Medes, and the undoubted fact that it was nevertheless by the Medes and Persians that the document itself was preserved and transmitted to us, we should be naturally led to suppose that the race was one which in the earlier times of Arian development was weak and insignificant, and that it first pushed itself into notice after the ethnological portions of the Zendavesta were composed, which is thought to have been about B.C. 1000.<sup>2</sup> Quite in accordance with this view is the further fact, that in the native Assyrian annals, so far as they have been recovered, the Medes do not make their appearance till the middle of the ninth century B.C., and when they appear are weak and unimportant, only capable of opposing a very slight resistance to the attacks of the Ninevite kings.<sup>3</sup> The natural conclusion from these data would appear to be, that until about B.C. 850 the Median name was unknown in the world, and that previously, if Medes existed at all, it was either as a sub-tribe of some other Arian race, or at

<sup>1</sup> See the translation of the first Fargard of the *Vendidad* in the Appendix to this "Monarchy." The only other geographic notice of any considerable length which the Zendavesta contains, is in the *Mithra Yasht*, where the countries mentioned are Aiskata (Sagartia, Asagarta of cuneiform inscriptions?), Pourata (Parthia), Mouru (Meru, Merj,

Margiana), Harôyû (Aria or Herat), Gau Sughdha (Sogdiana), and Qâirizem (Chorasmia or Kharezm). Here, again, there is no mention of Media.

<sup>2</sup> Haug, *Essays*, p. 224. In Bunsen's *Egypt*, the date suggested is B.C. 1200 (vol. iii. p. 478).

<sup>3</sup> See above, pp. 101 and 113.

any rate as a tribe too petty and insignificant to obtain mention either on the part of native or of foreign historians. Such early insignificance and late development of what ultimately becomes the dominant tribe of a race is no strange or unprecedented phenomenon to the historical inquirer: on the contrary, it is among the facts with which he is most familiar, and would admit of ample illustration, were the point worth pursuing, alike from the history of the ancient and the modern world.<sup>4</sup>

But, against the conclusion to which we could not fail to be led by the Arian and Assyrian records, which agree together so remarkably, two startling notices in works of great authority but of a widely different character have to be set. In the *Toldoth Beni Noah*, or "Book of the Generation of the Sons of Noah," which forms the tenth chapter of Genesis, and which, if the work of Moses, was probably composed at least as early as B.C. 1500,<sup>5</sup> we find the word MADAI—a word elsewhere always signifying "the Medes"—in the genealogy of the sons of Japhet.<sup>6</sup> The word is there conjoined with several other important ethnic titles, as Gomer, Magog, Javan, Tubal, and Meshech; and there can be no reasonable doubt that it is intended to designate the Median people.<sup>7</sup> If so, the people must have had already a separate and independent existence in the fifteenth century B.C., and not only so, but they must have by that time attained so much distinction as to be thought worthy of mention by a writer who was only bent on affiliating the more important of the nations known to him.

The other notice is furnished by Berosus. That remarkable

<sup>4</sup> The Hellenes were an insignificant Greek race until the Dorian conquests (Herod. i. 58; Thuc. i. 2). The Latins had originally no pre-eminence among the Italic peoples. The Turks for many ages were on a par with other Tartars. The race which is now forming Italy into a kingdom has only recently shown itself superior to Lombards, Tuscans, and Neapolitans.

<sup>5</sup> The Exodus is indeed placed by Bunsen as late as B.C. 1320, and by Lepsius as late as B.C. 1314. But the balance of authority favours a date from 200 to 300 years earlier.

<sup>6</sup> Gen. x. 2.

<sup>7</sup> Kalisch says in his comment on the passage: "Madai—these are unquestionably the Medes or inhabitants of Media." (*Commentary on the Old Testament*, vol. i. p. 166.) Note that Gomer, Magog, Javan, Tubal, Meshech, Ashkenaz, Togarmah, Elishah, Tarshish, and Kittim (or Chittim) are all elsewhere through Scripture undoubtedly names of nations or countries. Note, moreover, the plural forms of Kittim and Dodanim (or Rodanim).

historian, in his account of the early dynasties of his native Chaldæa, declared that, at a date anterior to B.C. 2000, the Medes had conquered Babylon by a sudden inroad, had established a monarchy there, and had held possession of the city and neighbouring territory for a period of 224 years.<sup>8</sup> Eight kings of their race had during that interval occupied the Babylonian throne. It has been already observed that this narrative must represent a fact.<sup>9</sup> Berosus would not have gratuitously invented a foreign conquest of his native land; nor would the earlier Babylonians, from whom he derived his materials, have forged a tale which was so little flattering to their national vanity. *Some* foreign conquest of Babylon must have taken place about the period named; and it is certainly a most important fact that Berosus should call the conquerors Medes. He may no doubt have been mistaken about an event so ancient; he may have misread his authorities, or he may have described as Medes a people of which he really knew nothing except that they had issued from the tract which in his own time bore the name of Media. But, while these are mere possibilities, hypotheses to which the mind resorts in order to escape a difficulty, the hard fact remains that he has used the word; and this fact, coupled with the mention of the Medes in the book of Genesis, does certainly raise a presumption of no inconsiderable strength against the view which it would be natural to take if the Zend-avesta and the Assyrian annals were our sole authorities on the subject. It lends a substantial basis to the theories of those who regard the Medes as one of the principal primeval races;<sup>10</sup> who believe that they were well known to the Semitic inhabitants of the Mesopotamian valley as early as the twenty-third century before Christ—long ere Abraham left Ur for Harran; and that they actually formed the dominant power in Western Asia for more than two centuries, prior to the establishment of the first Chaldæan kingdom.

<sup>8</sup> Beros. Fr. 11. "Post hos, qui successionē inconcussa regnum obtinuerunt, derēpente Medos collectis copiis Babylonem cepisse ait, ibique de suis tyrannos constituisse. Hinc nomina quoque ty-

rannorum Medorum edisserit octo, annosque eorum viginti quatuor supra ducentos."

<sup>9</sup> Supra, vol. i. p. 160.

<sup>10</sup> As Bunsen. See his *Egypt*, vol. iii. pp. 583-597.

And if there are thus distinct historical grounds for the notion of an early Median development, there are not wanting those obscurer but to many minds more satisfactory proofs wherewith comparative philology and ethnology are wont to illustrate and confirm the darker passages of ancient history. Recent linguistic research has clearly traced among the *Arba Lisun*, or "Four Tongues" of ancient Chaldæa, which are so often mentioned on the ancient monuments,<sup>1</sup> an Arian formation, such as would naturally have been left in the country, if it had been occupied for some considerable period by a dominant Arian power. The early Chaldæan ideographs have often several distinct values; and when this is the case, one of the powers is almost always an Arian name of the object represented.<sup>2</sup> Words like *nir*, "man" (compare Greek *ἄνθρωπος*), *ar*, "river" (compare the names *Aras*, *Araxes*, *Eridanus*, *Rha*, *Rhodanus*, &c., and the Greek *ῥέω*, the Slavonic *rika*, "river," &c.), *san*, "the sun," (compare German *Sonne*, Slavonic *solnce*, English "sun," Dutch *zon*, &c.), are seemingly Arian roots; and the very term "Arian" (*ariya*, "noble") is perhaps contained in the name of a primitive Chaldæan monarch, "*Arioch*, king of Ellasar."<sup>3</sup> There is nothing perhaps in these scattered traces of Arian influence in Lower Mesopotamia at a remote era that points very particularly to the Medes;<sup>4</sup> but at any rate they harmonise with the historical account that has reached us of early Arian power in these parts, and it is important that they should not be ignored when we are engaged in considering the degree of credence that is to be awarded to the account in question.

Again, there are traces of a vast expansion, apparently at a very early date, of the Median race, such as seems to imply that they must have been a great nation in Western Asia long previously to the time of the Iranic movements in Bactria and the adjoining regions. In the *Mat-ieni* of Zagros and Cappadocia,<sup>5</sup>

<sup>1</sup> See above, vol. i. p. 61.

<sup>2</sup> As, for instance, the same ideograph—a rude representation of a house—has the three powers of *ê*, *bit*, and *mal*—of which *ê* is Hamitic, *bit* or *beth* Semitic, and *mal* Arian.

<sup>3</sup> Gen. xiv. 1.

<sup>4</sup> Unless perhaps it be the name *Arioch*, which is Medo-Persic in form, and almost identical with *Ariaces* (Ἀριαίης), the name of a Mede or Persian in Arrian. (*Exp. Al.* iii. 8.)

<sup>5</sup> Herod. i. 72; v. 52; Hecat. Frs. 188, 189; Xanth. Fr. 3.

in the *Sauro-matæ* (or Northern Medes) of the country between the Palus Mæotis and the Caspian,<sup>6</sup> in the *Mætæor* Mætæ of the tract about the mouth of the Don,<sup>7</sup> and in the *Mædi* of Thrace,<sup>8</sup> we have seemingly remnants of a great migratory host which, starting from the mountains that overhang Mesopotamia, spread itself into the regions of the north and the north-west at a time which does not admit of being definitely stated, but which is clearly anti-historic. Whether these races generally retained any tradition of their origin, we do not know; but a tribe which in the time of Herodotus dwelt still further to the west than even the Mædi—to wit, the Sigynnæ, who occupied the tract between the Adriatic and the Danube—had a very distinct belief in their Median descent, a belief confirmed by the resemblance which their national dress bore to that of the Medes.<sup>9</sup> Herodotus, who relates these facts concerning them, appends an expression of his astonishment at the circumstance that emigrants from Media should have proceeded to such a distance from their original home;—how it had been brought about he could not conceive. “Still,” he sagaciously remarks, “nothing is impossible in the long lapse of ages.”<sup>10</sup>

A further argument in favour of the early development of Median power, and the great importance of the nation in Western Asia at a period anterior to the ninth century, is derivable from the ancient legends of the Greeks, which seem to have designated the Medes under the two eponyms of Medea and Andromeda. These legends indeed do not admit of being dated with any accuracy; but as they are of a primitive type, and probably older than Homer,<sup>11</sup> we cannot well assign them to an age later than B.C. 1000. Now they connect the Median name with the two countries of Syria and Colchis, countries

<sup>6</sup> Herod. iv. 21, 110-117; Strab. xi. 2, § 15; Diod. Sic. ii. 42, § 6; Plin. *H. N.* vi. 7.

<sup>7</sup> Herod. iv. 123. In the Greek inscriptions found in Scythia the Mætæ of Herodotus are commonly called Mætæ (*Mætæi*).

<sup>8</sup> Thucyd. ii. 98; Strab. vii. 5, § 7; Polyb. x. 41, § 4.

<sup>9</sup> Herod. v. 9.

<sup>10</sup> Ibid. *τίποτος δ' αὖν πᾶν ἐν τῇ μακρῇ χρόνῳ.*

<sup>11</sup> The story of the Argonauts seems to have been in its main particulars known to Homer. (See *Il.* vii. 469; *Od.* x. 137-139; xii. 64-72.) To that of Perseus and Andromeda he does not allude; but its character is peculiarly primitive.

remote from each other, and neither of them sufficiently near the true Median territory to be held from it, unless at a time when the Medes were in possession of something like an empire. And, even apart from any inferences to be drawn from the localities which the Greek myths connect with the Medes, the very fact that the race was known to the Greeks at this early date — long before the movements which brought them into contact with the Assyrians — would seem to show that there was some remote period — prior to the Assyrian domination — when the fame of the Medes was great in the part of Asia known to the Hellenes, and that they did not first attract Hellenic notice (as, but for the myths,<sup>12</sup> we might have imagined) by the conquests of Cyaxares. Thus, on the whole it would appear that we must acknowledge two periods of Median prosperity, separated from each other by a lengthy interval, one anterior to the rise of the Cushite empire in Lower Babylonia, the other parallel with the decline and subsequently to the fall of Assyria.

Of the first period it cannot be said that we possess any distinct historical knowledge. The Median dynasty of Berosus at Babylon appears, by recent discoveries, to have represented those Susianian monarchs who bore sway there from B.C. 2286 to 2052.<sup>13</sup> The early Median preponderance in Western Asia, if it is a fact, must have been anterior to this, and is an event which has only left traces in ethnological names and in mythological speculations.

Our historical knowledge of the Medes as a nation commences in the latter half of the ninth century before our era. Shalmaneser II., — probably the "Shalman" of Hosea,<sup>14</sup> — who reigned

<sup>12</sup> The ethnic character of these myths, though (in one instance) vouched for by Strabo (xi. 13, § 10), may perhaps be doubted by some persons. Medea may be derived from *μηδός*, "craft," or *μηδόμεναι*, "to act craftily" — and Perseus may be, and indeed has been, connected with *περὰν* and *πέρας*, and regarded as a mere Solar epithet. Eustath. *Comment. ad. Hom. Od.*; Paley, note ad loc.) But then mere accident would have produced

an *apparent* combination of Medes with Persians in both myths; for not only is Perseus the husband of Andromeda, but Persé or Perseis is the mother of Æetes (*Od.* x. 139; *Hes. Theog.* 957). It is a profound remark of Aristotle's, *ὅτι πάντων συνδυάζεται τὰ κατὰ συμβεβηκός*. (*Eth. Nic.* viii. 4, § 5.)

<sup>13</sup> See above, vol. i. pp. 160-163.

<sup>14</sup> Hosea x. 14: "Thy fortresses shall be spoiled, as Shalman spoiled Beth-

from B.C. 859 to B.C. 824 — relates that in his twenty-fourth year (B.C. 835), after having reduced to subjection the Zimri, who held the Zagros mountain range immediately to the east of Assyria, and received tribute from the Persians, he led an expedition into Media and Arazias, where he took and destroyed a number of the towns, slaying the men, and carrying off the spoil.<sup>15</sup> He does not mention any pitched battle; and indeed it would seem that he met with no serious resistance. The Medes whom he attacks are evidently a weak and insignificant people, whom he holds in small esteem, and regards as only deserving of a hurried mention. They seem to occupy the tract now known as Ardelan — a varied region containing several lofty ridges, with broad plains lying between them.

It is remarkable that the time of this first contact of Media with Assyria — a contact taking place when Assyria was in her prime, and Media was only just emerging from a long period of weakness and obscurity — is almost exactly that which Ctesias selects as the date of the great revolution whereby the Empire of the East passed from the hands of the Shemites into those of the Arians.<sup>16</sup> The long residence of Ctesias among the Persians gave him a bias towards that people, which even extended to their close kin, the Medes. Bent on glorifying these two Arian races, he determined to throw back the commencement of their empire to a period long anterior to the true date; and, feeling specially anxious to cover up their early humiliation, he assigned their most glorious conquests to the very century, and almost to the very time, when they were in fact suffering reverses at the hands of the people over whom he represented them as triumphant. There was a boldness in the notion of thus inverting history which almost deserved, and to a considerable ex-

Arbel in the day of battle." Beth-Arbel is probably Arbela, which was among the cities that joined in the revolt at the end of Shalmaneser's reign (*supra*, p. 110), and which may therefore very probably have been sacked when the rebellion was put down.

<sup>15</sup> See above, p. 101; and compare the Black-Obelisk Inscription (*Dublin Univ. Mag.* Oct. 1853, p. 424).

<sup>16</sup> Ctesias gave to his eight Median kings anterior to Aspadas or Astyages a period of 282 years. Assuming his date for Astyages' accession to have been the same, or nearly the same, with that of Herodotus (B.C. 593), we have B.C. 875 for the destruction of the Assyrian empire and rise of the Median under Arbaces.



tent obtained, success. The "long chronology" of Ctesias kept its ground until recently, not indeed meeting with universal acceptance,<sup>17</sup> but on the whole predominating over the "short chronology" of Herodotus; and it may be doubted whether anything less than the discovery that the native records of Assyria entirely contradicted Ctesias would have sufficed to drive from the field his figment of early Median dominion.<sup>18</sup>

The second occasion upon which we hear of the Medes in the Assyrian annals is in the reign of Shalmaneser's son and successor, Shamas-Vul. Here again, as on the former occasion, the Assyrians were the aggressors. Shamas-Vul invaded Media and Arazias in his third year, and committed ravages similar to those of his father, wasting the country with fire and sword, but not (it would seem) reducing the Medes to subjection, or even attempting to occupy their territory. Again the attack is a mere raid, which produces no permanent impression.<sup>19</sup>

It is in the reign of the son and successor of Shamus-Vul that the Medes appear for the first time to have made their submission and accepted the position of Assyrian tributaries. A people which was unable to offer effectual resistance when the Assyrian levies invaded their country, and which had no means of retaliating upon their foe or making him suffer the evils that he inflicted, was naturally tempted to save itself from molestation by the payment of an annual tribute, so purchasing quiet at the expense of honour and independence. Towards the close of the ninth century B.C. the Medes seem to have followed the example set them very much earlier by their kindred and neighbours, the Persians,<sup>1</sup> and to have made arrangements for

<sup>17</sup> The "long chronology" of Ctesias was adopted, among the ancients, by Cephallion, Castor, Polybius, Æmilius Sura, Trogius Pompeius, Nicolaus Damascenus, Diodorus Siculus, Strabo, Velleius Paterculus, and others; among the ecclesiastical writers, by Clement of Alexandria, Eusebius, Augustine, Sulpicius Severus, Agathias, Eustathius, and Syncellus; among the moderns, by Prideaux, Freret, and the French Academicians generally. Scaliger was, I believe, the first to discredit it. He was followed in the last

century by the Abbé Sevin and Volney. In the present century the "long chronology" has had few advocates.

<sup>18</sup> Long after the superiority of the scheme of Herodotus was recognised, attempts continued to be made to reconcile Ctesias with him by supposing the list of the latter to be an eastern Median dynasty (Heeren's *Manual*, p. 27, E. T.), or to contain a certain number of viceroys (Clinton, *F. H.* vol. i. p. 261).

<sup>19</sup> Compare above, p. 114.

<sup>1</sup> The Persians paid tribute to Shal-

an annual payment which should exempt their territory from ravage.<sup>2</sup> It is doubtful whether the arrangement was made by the whole people. The Median tribes at this time hung so loosely together, that a policy adopted by one portion of them might be entirely repudiated by another. Most probably the tribute was paid by those tribes only which bordered on Zagros, and not by those further to the east or to the north, into whose territories the Assyrian arms has not yet penetrated.

No further change in the condition of the Medes is known to have occurred<sup>3</sup> until about a hundred years later, when the Assyrians ceased to be content with the semi-independent position which had been hitherto allowed them, and determined on their more complete subjugation. The great Sargon, the assailant of Egypt and conqueror of Babylon, towards the middle of his reign, invaded Media with a large army, and having rapidly overrun the country, seized several of the towns, and "annexed them to Assyria," while at the same time he also established in new situations a number of fortified posts.<sup>4</sup> The object was evidently to incorporate Media into the empire; and the posts were stations in which a standing army was placed, to overawe the natives and prevent them from offering an effectual resistance. With the same view deportation of the people on a large scale seems to have been practised;<sup>5</sup> and the gaps thus made in the population were filled up—wholly or in part—by the settlement in the Median cities of Samaritan captives.<sup>6</sup> On the country thus re-organised and re-arranged a tribute of a new character was laid. In lieu of the money pay-

manaser II. (*Black-Obelisk Inscription*, p. 424), and again to Shamas-Vul. They seem to have been at this time dwelling in the immediate vicinity of the Medes, probably somewhere within the limits of Media Magna.

<sup>2</sup> See the Inscription of this king in the *Journal of the Asiatic Society*, vol. xix. p. 185.

<sup>3</sup> There are grounds, however, for suspecting that during the obscure period of Assyrian history which divides Vul-lush III. from Tiglath-Pileser II. (B.C. 781-744), Media became once more independent, and that she was again made

tributary by the last-named monarch. That monarch even sent an officer to exercise authority in the country. (Sir H. Rawlinson in the *Athenæum*, No. 1869, p. 246.)

<sup>4</sup> Oppert, *Inscriptions des Sargonides*, p. 25. Compare above, p. 151.

<sup>5</sup> This is not stated in express terms; but Sargon says in one place that he peopled Ashdod with captives from the extreme East (*Inscriptions, &c.*, p. 27), while in another he reckons Media the most eastern portion of his dominions.

<sup>6</sup> 2 Kings xvii. 6; xviii. 11.

ment hitherto exacted, the Medes were required to furnish annually to the royal stud a number of horses.<sup>7</sup> It is probable that Media was already famous for the remarkable breed which is so celebrated in later times;<sup>8</sup> and that the horses now required of her by the Assyrians were to be of the large and highly valued kind known as "Nisæan."

The date of this subjugation is about B.C. 710. And here, if we compare the Greek accounts of Median history with those far more authentic ones which have reached us through the Assyrian contemporary records, we are struck by a repetition of the same device which came under our notice more than a century earlier—the device of covering up the nation's disgraces at a particular period by assigning to that very date certain great and striking successes. As Ctesias's revolt of the Medes under Arbaces and conquest of Nineveh synchronises nearly with the first known ravages of Assyria within the territories of the Medes, so Herodotus's revolt of the same people and commencement of their monarchy under Deïoces falls almost exactly at the date when they entirely lost their independence.<sup>9</sup> As there is no reason to suspect Herodotus either of partiality towards the Medes or of any wilful departure from the truth, we must regard him as imposed upon by his informants, who were probably either Medes or Persians.<sup>10</sup> These mendacious patriots found little difficulty in palming their false tale upon the simple Halicarnassian, thereby at once extending the antiquity of their empire and concealing its shame behind a halo of fictitious glory.

After their subjugation by Sargon, the Medes of Media Magna appear to have remained the faithful subjects of Assyria for sixty or seventy years. During this period we find no notices of the great mass of the nation in the Assyrian records: only here and there indications occur that Assyria is stretching out

<sup>7</sup> Oppert, *Inscriptions*, &c., p. 25.

<sup>8</sup> See above, p. 302.

<sup>9</sup> As Herodotus gives to his four Median kings a period of exactly 150 years, and places the accession of Cyrus 78 years before the battle of Marathon, he really assigns the commencement of

the Median monarchy to B.C. 706 (since  $480 + 78 + 150 = 706$ ).

<sup>10</sup> Herodotus speaks in one place only (vii. 62) of deriving information from the Medes. He quotes the Persians as his authorities frequently (i. 1-5, '95; iii. 98, &c.).

her arms towards the more distant and outlying tribes, especially those of Azerbaijan, and compelling them to acknowledge her as mistress. Sennacherib boasts that early in his reign, about B.C. 702, he received an embassy from the remoter parts of Media — “parts of which the kings his fathers had not even heard”<sup>11</sup> — which brought him presents in sign of submission, and patiently accepted his yoke. His son, Esar-haddon, relates that, about his tenth year (B.C. 671) he invaded Bikni or Bikan,<sup>12</sup> a distant province of Media, “whereof the kings his fathers had never heard the name;” and attacking the cities of the region one after another, forced them to acknowledge his authority.<sup>13</sup> The country was held by a number of independent chiefs, each bearing sway in his own city and adjacent territory. These chiefs have unmistakably Arian names, as Sitriparna or Sitraphernes, Eparna or Ophernes, Zanasana or Zanasanes, and Ramatiya or Ramates.<sup>14</sup> Esar-haddon says that, having entered the country with his army, he seized two of the chiefs and carried them off to Assyria, together with a vast spoil and numerous other captives. Hereupon the remaining chiefs, alarmed for their safety, made their submission, consenting to pay an annual tribute, and admitting Assyrian officers into their territories, who watched, if they did not even control, the government.

We are now approaching the time when Media seems to have been first consolidated into a monarchy by the genius of an individual. Sober history is forced to discard the shadowy forms of kings with which Greek writers of more fancy than judgment have peopled the darkness that rests upon the “origines” of the Medes. Arbaces, Maudaces,<sup>1</sup> Sosarmus, Artycas, Arbi-

<sup>11</sup> Fox Talbot, *Journal of the Asiatic Society*, vol. xix. p. 143.

<sup>12</sup> Probably Azerbijan. See above, p. 262, note<sup>14</sup>.

<sup>13</sup> Fox Talbot, *Assyrian Texts*, pp. 15, 16; Oppert, *Inscriptions des Sargonides*, p. 57.

<sup>14</sup> The termination *parna* may be compared with the old Persian *frana*, which is found in *Vidafrana* (Intaphernes). The initial *Sitir* is perhaps *khshatra*, “crown,” or possibly *chitra*,

“stock.” In *Zanasana* we have the common Medo-Persic termination *-ana* (= Gk. *-ανης*) suffixed to a root which is probably connected with *zan*, “to slay.” *Ramatiya* has for its first element undoubtedly *rāman* (acc. *rāma*), “pleasant, agreeable.” The remainder of the word is perhaps a mere personal suffix. Or the whole word may be a contraction of *rāmō-dāitya*, “given to be agreeable.” (Brockhaus, *Verdidad-Sade*, p. 390.)

<sup>1</sup> So Diodorus (ii. 32) and Eusebius

anes,<sup>2</sup> Artæus, Deïoces—Median monarchs, according to Ctesias or Herodotus, during the space of time comprised within the years B.C. 875 and 655—have to be dismissed by the modern writer without a word, since there is reason to believe that they are mere creatures of the imagination, inventions of unscrupulous romancers, not men who once walked the earth. The list of Median kings in Ctesias, so far as it differs from the list in Herodotus, seems to be a pure forgery—an extension of the period of the monarchy by the conscious use of a system of duplication. Each king, or period, in Herodotus occurs in the list of Ctesias twice<sup>3</sup>—a transparent device, clumsily cloaked by the cheap expedient of a liberal invention of names.<sup>4</sup> Even the list of Herodotus requires curtailment. His Deïoces, whose whole history reads more like romance than truth<sup>5</sup>—the organiser of a powerful monarchy in Media just at the time when Sargon was building his fortified posts in the country and peopling with

(*Chron. Can.* i. 15). But Syncellus gives the name as Mandaucæ (*Chronograph.* p. 372), and so does Moses of Choréné (*Hist. Armen.* i. 21).

<sup>2</sup> Moses of Choréné substitutes for Arbaces the entirely different name Cardiceas. (*Hist. Armen.* i. s. c.) Eusebius and Syncellus takes only four kings from Ctesias, and then change to the list of Herodotus.

<sup>3</sup> This is manifest from the number of the years which Ctesias assigns to his kings. See the subjoined table.

CTESIAS.		HERODOTUS.	
Kings.	Yrs.	Kings, etc.	Yrs.
Arbaces . .	28 =	Interregnum . .	—
Maudaces . .	50 =	Deïoces . . .	53
Sosarmus . .	30 =	Interregnum . .	—
Artycas . .	50 =	Deïoces . . .	53
Arbaces . .	22 =	Phraortes . .	22
Artæus . .	40 =	Cyaxares . .	40
Artynes . .	22 =	Phraortes . .	22
Astilbaras . .	40 =	Cyaxares . .	40

The first critic who noted this curious method of duplication, so far as I know, was Volney. (See his *Recherches sur l'Histoire ancienne*, tom. i. pp. 144 et seq.) Heeren glanced at it in the Appendix to his *Manual* (p. 476, E. T.).

I myself noted it before I found it in Volney. The only weak point in the case is with respect to the interregnum. I presume that Ctesias supposed Herodotus to reckon the interregnum at a generation—30 years, in round numbers—and introduced the change in the case of Arbaces, from 30 to 28, in order to make the principle of alternations, which pervades his list and furnishes the key to it, less glaring and palpable.

<sup>4</sup> Ctesias shows no great talent or skill in his invention of names. He has not half the fertility of Æschylus. (See the *Persæ*, passim.) In his Median list, Artycas, Artæus, Artynes, are but variants of one and the same name—modifications of the root *artas*, "great." (Hesych. Ἀράς, μέγας καὶ λαμπρός.) In his Assyrian list he mixes Greek and Persian with Semitic names, and in one part flies off to geography for assistance. In his famous story of the joint conspiracy of Arbaces and Belesis he simply took the actual names of the satraps of Media and Assyria during the time of his own residence in Persia. (See Xen. *Anab.* vii. 8, § 25.) This last fact has, I believe, never been noticed.

<sup>5</sup> See Mr. Grote's *History of Greece*, vol. iii. pp. 307, 308.

his Israelite captives the old "cities of the Medes" — the prince who reigned for above half a century in perfect peace with his neighbours,<sup>6</sup> and who, although contemporary with Sargon, Sennacherib, Esar-haddon, and Asshur-bani-pal — all kings more or less connected with Media — is never heard of in any of their annals,<sup>7</sup> must be relegated to the historical limbo in which repose so many "shades of mighty names;" and the Herodotean list of Median kings must, at any rate, be thus far reduced. Nothing is more evident than that during the flourishing period of Assyria under the great Sargonidæ above named, there was no grand Median kingdom upon the eastern flank of the empire. Such a kingdom had certainly not been formed up to B.C. 671, when Esar-haddon reduced the *more distant* Medes, finding them still under the government of a number of petty chiefs.<sup>8</sup> The earliest time at which we can imagine the consolidation to have taken place consistently with what we know of Assyria is about B.C. 660, or nearly half a century later than the date given by Herodotus.

The cause of the sudden growth of Media in power about this period, and of the consolidation which followed rapidly upon that growth, is to be sought, apparently, in fresh migratory movements from the Arian head-quarters, the countries east and south-east of the Caspian. The Cyaxares who about the year B.C. 632 led an invading host of Medes against Nineveh, was so well known to the Arian tribes of the north-east, that, when in the reign of Darius Hystaspis a Sagartian raised the standard of revolt in that region he stated the ground of his claim to the Sagartian throne to be descent from Cyaxares.<sup>9</sup> This great chief, it is probable, either alone, or in conjunction with his father (whom Herodotus calls Phraortes),<sup>10</sup> led a fresh

<sup>6</sup> Herod. i. 102.

<sup>7</sup> It has been supposed by some that the Deioeces of Herodotus is to be identified with a certain chief of the Manni, or Minni, called *Dayaukku*, who was made a prisoner by Sargon, and settled at Hamath, B.C. 715. The close resemblance of the names is certainly remarkable; but there is no reason to regard the Manni as Medes; nor is it likely that a captured chief, settled at Hamath, in Syria, B.C. 715, could in B.C. 708 found a great kingdom in Media.

<sup>8</sup> See above, p. 381.

<sup>9</sup> See the *Behistun Inscription* (printed in the author's *Herodotus*, vol. ii. ad fin.), col. ii. par. 14, § 4.

<sup>10</sup> The name Phraortes in this connection is suspicious. It was borne by a Mede who raised the standard of revolt in the time of Darius Hystaspis; who, however, laid it aside, and assumed the name of Xathrites (*Beh. Inscr.* col. ii. par. 5, § 4). If Phraortes had been a royal name previously, it would scarcely have been made to give way to one

emigration of Arians from the Bactrian and Sagartian country to the regions directly east of the Zagros mountain chain; and having thus vastly increased the strength of the Arian race in that quarter, set himself to consolidate a mountain kingdom capable of resisting the great monarchy of the plain. Accepted, it would seem, as chief by the former Arian inhabitants of the tract, he proceeded to reduce the scattered Scythic tribes which had hitherto held possession of the high mountain region. The Zimri, Minni, Hupuska, &c., who divided among them the country lying between Media Proper and Assyria, were attacked and subdued without any great difficulty;<sup>11</sup> and the conqueror, finding himself thus at the head of a considerable kingdom, and no longer in any danger of subjugation at the hands of Assyria, began to contemplate the audacious enterprise of himself attacking the Great Power which had been for so many hundred years the terror of Western Asia. The supineness of Asshur-bani-pal, the Assyrian king, who must at this time have been advanced in years, encouraged his aspirations; and about B.C. 634, when that monarch had held the throne for thirty-four years, suddenly, without warning, the Median troops debouched from the passes of Zagros, and spread themselves over the rich country at its base. Alarmed by the nearness and greatness of the peril, the Assyrian king aroused himself, and putting himself at the head of his troops, marched out to confront the invader. A great battle was fought, probably somewhere in Adiabêné, in which the Medes were completely defeated: their whole army was cut to pieces; and the father of Cyaxares was among the slain.<sup>12</sup>

which had no great associations attached to it.

On the whole, it is very doubtful if the Phraortes of Herodotus ought not to be absolutely retrenched, like his Deïoces. The testimony of Æschylus, who makes Cyaxares found the Medo-Persian empire (*Pers.* 761), and the evidence of the Behistun Inscription that the Medes traced their royal race to him, and not any higher, seem to show that he was really the founder of Median independence. Still, it has not been thought right wholly to discard the authority of

Herodotus, where he is not absolutely contradicted by the monuments.

<sup>11</sup> Κατεστρέφετο τὴν Ἀσίην [ὁ Φραόρτης], ἀπ' ἄλλου ἐπ' ἄλλο ἰὼν ἔθνος. (Herod. i. 102.) These wars may have been in other directions also, but they *must* have been in Zagros for Media to have come at the end of them into contact with Assyria. (See the continuation of the passage, εἰς ὃ στρατευσάμενος ἐπὶ τοὺς Ἀσσυρίους κ. τ. λ.)

<sup>12</sup> Ὁ Φραόρτης αὐτὸς τε διεφθάρη, καὶ ὁ στρατὸς αὐτοῦ ὁ πολλός. (Herod. i. s. c.)

Such was the result of the first Median expedition against Nineveh. The assailants had miscalculated their strength. In their own mountain country, and so long as they should be called upon to act only on the defensive, they might be right in regarding themselves as a match for the Assyrians; but when they descended into the plain, and allowed their enemy the opportunity of manœuvring and of using his war chariots,<sup>13</sup> their inferiority was marked. Cyaxares, now, if not previously, actual king, withdrew awhile from the war, and, convinced that all the valour of his Medes would be unavailing without discipline, set himself to organise the army on a new system, taking a pattern from the enemy, who had long possessed some knowledge of tactics.<sup>1</sup> Hitherto, it would seem, each Median chief had brought into the field his band of followers, some mounted, some on foot, foot and horse alike armed variously as their means allowed them, some with bows and arrows, some with spears, some perhaps with slings or darts;<sup>2</sup> and the army had been composed of a number of such bodies, each chief keeping his band close about him. Cyaxares broke up these bands, and formed the soldiers who composed them into distinct corps, according as they were horsemen or footmen, archers, slingers, or lancers. He then, having completed his arrangements at his ease, without disturbance (so far as appears) from the Assyrians, felt himself strong enough to renew the war with a good prospect of success. Collecting as large an army as he could, both from his Arian and his Scythic subjects, he marched into Assyria, met the troops of Asshur-bani-pal in the field, defeated them signally, and forced them to take refuge behind the strong works which defended their capital. He even ventured to follow up the flying foe and commence the siege of the capital itself; but at this point he was suddenly checked in

<sup>13</sup> Compare the case of the Israelites and the old nations of Canaan (Judg. i. 19).

<sup>1</sup> Supra, vol. i. pp. 461, 462.

<sup>2</sup> Herod. i. 103. Herodotus does not mention slingers, but only spearmen and archers. Still, as we find slingers among the Assyrians (supra, vol. i. p. 440),

and among the Egyptians (Wilkinson's *Ancient Egyptians*, vol. i. p. 316), and as the sling is the natural weapon of mountaineers, we may conclude that the Medes were not without them. That the Persians used slings is well established. (Xen. *Anab.* iii. 3, § 16.)



his career of victory, and forced to assume a defensive attitude, by a danger of a novel kind, which recalled him from Nineveh to his own country.

The vast tracts, chiefly consisting of grassy plains, which lie north of the Black Sea, the Caucasus, the Caspian, and the Jaxartes or Syhun river, were inhabited in ancient times by a race or races known to the Asiatics as *Saka*,<sup>3</sup> to the Greeks as *Σκύθαι*, "Scythians." These people appear to have been allied ethnically with many of the more southern races, as with the Parthians, the Iberians, the Alarodians, the tribes of the Zagros chain, the Susianians, and others.<sup>4</sup> It is just possible that they may have taken an interest in the welfare of their southern brethren, and that, when Cyaxares brought the tribes of Zagros under his yoke, the Scyths of the north may have felt resentment or compassion. If this view seem too improbable, considering the distance, the physical obstacles, and the little communication that there was between nations in those early times, we must suppose that by a mere coincidence it happened that the subjugation of the southern Scyths by Cyaxares was followed within a few years by a great irruption of Scyths from the trans-Caucasian region. In that case we shall have to regard the invasion as a mere example of that ever-recurring law by which the poor and hardy races of Upper Asia or Europe are from time to time directed upon the effete kingdoms of the south, to shake, ravage, or overturn them, as the case may be, and prevent them from stagnating into corruption.

The character of the Scythians, and the general nature of their ravages, have been described in a former portion of this work.<sup>5</sup> If they entered Southern Asia, as seems probable,<sup>6</sup> by the Daghestan route, they would then have been able to pass

<sup>3</sup> This was especially the *Persian* name (Herod. vii. 64). It is found throughout the Achaemenian inscriptions, but not in the Assyrian or Babylonian, where the term which replaces it is *Gimiri* or *Kimiri* (apparently "Cimmerians"). In the Zendavesta, *Turiya* (Turanian) is the appellative of the Scythic races.

<sup>4</sup> See the author's *Herodotus*, vol. iv. pp. 163, 169, 188, 204, &c.

<sup>5</sup> See above, pp. 223-227.

<sup>6</sup> Herodotus says of the Scythians that they marched from Scythia into Media by a roundabout route, *ἐν δεξιῇ ἔχοντες τὸ Καυκάσιον ὄρος* (l. 104). This description is exactly applicable to the route along the western shores of the Caspian, by Derbend and Bakou.

on without much difficulty,<sup>7</sup> through Georgia into Azerbaijan, and from Azerbaijan into Media Magna, where the Medes had now established their southern capital. Four roads lead from Azerbaijan to Hamadan or the Greater Ecbatana, one through Menjil and Kasvin, and across the Karaghan Hills; a second through Miana, Zenjan, and the province of Khamseh; a third by the valley of the Jaghetu, through Chukli and Tikan-Teppeh; and a fourth through Sefer-Khaneh and Sennah. We cannot say which of the four the invaders selected; but, as they were pressing southwards, they met the army of Cyaxares, which had quitted Nineveh on the first news of their invasion, and had marched in hot haste to meet and engage them.<sup>8</sup> The two enemies were not ill-matched. Both were hardy and warlike, both active and full of energy; with both the cavalry was the chief arm, and the bow the weapon on which they depended mainly for victory. The Medes were no doubt the better disciplined; they had a greater variety of weapons and of soldiers; and individually they were probably more powerful men than the Scythians:<sup>9</sup> but these last had the advantage of numbers, of reckless daring, and of tactics that it was difficult to encounter. Moreover, the necessity of their situation in the midst of an enemy's country made it imperative on them to succeed, while their adversaries might be defeated without any very grievous consequences. The Scyths had not come into Asia to conquer so much as to ravage; defeat at their hands involved damage rather than destruction; and the Medes must have felt that, if they lost the battle, they might still hope to maintain a stout defence behind the strong walls of some of their towns.<sup>10</sup> The result was such as might have been expected under these circumstances. Madyes,<sup>11</sup> the Scythian leader, obtained the victory; Cyaxares was defeated, and compelled to make terms with the invader. Retaining his

<sup>7</sup> The Bakou route conducts into the flat Moghan district at the mouth of the combined Kur and Aras, whence it is easy to march to Tabriz and the Urumiyeh country.

<sup>8</sup> Herod. i. 104.

<sup>9</sup> On the Scythian *physique*, see above p. 223.

<sup>10</sup> As the Northern Ecbatana (*supra* p. 268) and perhaps Rhages.

<sup>11</sup> So Herodotus (i. 103). Strabo gives the name as Madys (i. 3, § 21).

royal name, and the actual government of his country, he admitted the suzerainty of the Scyths, and agreed to pay them an annual tribute. Whether Media suffered very seriously from their ravages, we cannot say. Neither its wealth nor its fertility was such as to tempt marauders to remain in it very long. The main complaint made against the Scythian conquerors is that, not content with the fixed tribute which they had agreed to receive, and which was paid them regularly, they levied contributions at their pleasure on the various states under their sway, which were oppressed by repeated exactions.<sup>12</sup> The injuries suffered from their marauding habits form only a subordinate charge against them, as though it had not been practically felt to be so great a grievance. We can well imagine that the bulk of the invaders would prefer the warmer and richer lands of Assyria, Mesopotamia, and Syria;<sup>1</sup> and that, pouring into them, they would leave the colder and less wealthy Media comparatively free from ravage.

The condition of Media and the adjacent countries under the Scythians must have nearly resembled that of almost the same regions under the Seljukian Turks during the early times of their domination.<sup>2</sup> The conquerors made no fixed settlements, but pitched their tents in any portion of the territory that they chose. Their horses and cattle were free to pasture on all lands equally. They were recognised as the dominant race, were feared and shunned, but did not greatly interfere with the bulk of their subjects. It was impossible that they should occupy at any given time more than a comparatively few spots in the wide tract which they had overrun and subjugated; and, consequently, there was not much contact between them and the peoples whom they had conquered. Such contact as there was must no doubt have been galling and oppressive. The right of free pasture in the lands of others is always irksome to those who have to endure it,<sup>3</sup> and even where it is exercised with strict fairness, naturally leads to quarrels. The barbarous

<sup>12</sup> This seems to be the meaning of the somewhat obscure passage, *χωρίς μὲν γὰρ τῶν φόρων ἐπρησσον παρ' ἑκάστων τὸ ἐκάστοισι ἐπέβαλλον*. (Herod. i. 106.)

<sup>1</sup> See above, p. 226.

<sup>2</sup> See Gibbon's *Decline and Fall of the Roman Empire*, ch. lvii. (vol. v. pp. 655, 656, 4to edition).

<sup>3</sup> The Samnites seem to have had a

Scythians are not likely to have cared very much about fairness. They would press heavily upon the more fertile tracts, paying over-frequent visits to such spots, and remaining in them till the region was exhausted. The chiefs would not be able to restrain their followers from acts of pillage; redress would be obtained with difficulty; and sometimes even the chiefs themselves may have been sharers in the injuries committed. The insolence, moreover, of a dominant race so coarse and rude as the Scyths must have been very hard to bear; and we can well understand that the various nations which had to endure the yoke must have looked anxiously for an opportunity of shaking it off, and recovering their independence.

Among these various nations, there was probably none that fretted and winced under its subjection more than the Medes. Naturally brave and high-spirited, with the love of independence inherent in mountaineers, and with a well-grounded pride in their recent great successes, they must have chafed daily and hourly at the ignominy of their position, the postponement of their hopes, and the wrongs which they continually suffered. At first it seemed necessary to endure. They had tried the chances of a battle, and had been defeated in fair fight — what reason was there to hope that, if they drew the sword again, they would be more successful? Accordingly they remained quiet; but, as time went on, and the Scythians dispersed themselves continually over a wider and a wider space, invading Assyria, Mesopotamia, Syria, Palestine,<sup>4</sup> and again Armenia and Cappadocia,<sup>5</sup> everywhere plundering and marauding, conducting sieges, fighting battles, losing men from the sword, from sickness, from excesses,<sup>6</sup> becoming weaker instead of stronger, as each year went by, owing to the drain of constant wars — the Medes by degrees took heart. Not trusting, however, entirely to the strength of their right arms, a trust which

right of this kind in Campania, which, probably, as much as anything, caused the revolt of the Campanians and their submission to Rome in B.C. 340. (See Arnold, *History of Rome*, vol. ii. pp. 108, 109.) Powerful Arab tribes have sometimes such a right over lands usually in the occupation of inferior tribes.

<sup>4</sup> Herod. i. 105.

<sup>5</sup> Strab. xi. 8, § 4. Σάκαι . . . τῆς Ἀρμενίας κατέκτησαν τὴν ἀρίστην γῆν . . . καὶ μέχρι Καππαδοκῶν, καὶ μάλιστα τῶν πρὸς Εὐφείνῃ, ὅτε Ποντικούς νῦν καλοῦσι, προήλαθον.

<sup>6</sup> Herod. i. 8. c.

had failed them once, they resolved to prepare the way for an outbreak by a stratagem which they regarded as justifiable. Cyaxares and his court invited a number of the Scythian chiefs to a grand banquet, and, having induced them to drink till they were completely drunk, set upon them when they were in this helpless condition, and remorselessly slew them all.<sup>7</sup>

This deed was the signal for a general revolt of the nation. The Medes everywhere took arms, and, turning upon their conquerors, assailed them with a fury the more terrible because it had been for years repressed. A war followed, the duration and circumstances of which are unknown;<sup>8</sup> for the stories with which Ctesias enlivened this portion of his history can scarcely be accepted as having any foundation in fact. According to him, the Parthians made common cause with the Scythians on the occasion, and the war lasted many years; numerous battles were fought with great loss to both sides; and peace was finally concluded without either party having gained the upper hand.<sup>9</sup> The Scyths were commanded by a queen, Zarina or Zarinæa,<sup>10</sup> a woman of rare beauty, and as brave as she was fair; who won the hearts, when she could not resist the swords, of her adversaries. A strangely romantic love-tale is told of this beautiful Amazon.<sup>11</sup> It is not at all

<sup>7</sup> Ibid. i. 106. Herodotus says, rhetorically, in this place, that "most of the Scythians" were destroyed by this stratagem. But he admits afterwards (iv. 1) that the great bulk of the invaders returned into Scythia.

It is not clear whether Strabo's notice of the origin of the Σάκαια refers to this occasion or no. After relating the extent of the Scythian ravages (see above, note <sup>6</sup>), he says, "the Persian generals of the time set upon them by night as they were feasting off their spoils, and completely exterminated them."

<sup>8</sup> The whole struggle is summed up by Herodotus in three words—Ἐξέλασθίντες ὑπὸ Μήδων οἱ Σαῦθαί κ. τ. λ.

<sup>9</sup> Diod. Sic. ii. 34, § 2.

<sup>10</sup> Zarinæa is the form used by Nicolas of Damascus (Fr. 12); Zarina, by Diodorus (ii. 34, § 3).

<sup>11</sup> Zarina was the wife of Marmareus,

the Scythian king, and accompanied him to the war, taking part in all his battles. On one occasion she was wounded, and might have been captured by Stryangæus, son-in-law of the king of the Medes; but she begged so earnestly to be allowed to escape, that Stryangæus let her go. Shortly afterwards Stryangæus himself was made prisoner by Marmareus, who was about to put him to death, when Zarina interposed on his behalf, and begged his life in return for her own. Her prayer being refused, in order to save her preserver, she murdered her husband. The pair were by this time in love with one another, and peace having been made between the Sacians and the Medes, Stryangæus went to visit Zarina at her court. There he was most hospitably received; but when, after a while, he revealed the secret of his love, Zarina repulsed him, re-

clear what region Ctesias supposes her to govern. It has a capital city, called Roxanacé (a name entirely unknown to any other historian or geographer), and it contains many other towns of which Zarina was the foundress. Its chief architectural monument was the tomb of Zarina, a triangular pyramid, six hundred feet high, and more than a mile round the base, crowned by a colossal figure of the queen made of solid gold.<sup>12</sup> But — to leave these fables and return to fact — we can only say with certainty that the result of the war was the complete defeat of the Scythians, who not only lost their position of pre-eminence in Media and the adjacent countries, but were driven across the Caucasus into their own proper territory.<sup>1</sup> Their expulsion was so complete that they scarcely left a trace of their power or their presence in the geography or ethnography of the country. One Palestinian city only, as already observed,<sup>2</sup> and one Armenian province<sup>3</sup> retained in their names a lingering memory of the great inroad which but for them would have passed away without making any more permanent mark on the region than a hurricane or a snowstorm.

How long the dominion of the Scyths endured is a matter of great uncertainty. It was no doubt the belief of Herodotus that from their defeat of Cyaxares to his treacherous murder of their chiefs was a period of exactly twenty-eight years.<sup>4</sup> During the whole of this space he regarded them as the undisputed lords of Asia. It was not till the twenty-eight years were over that the Medes were able, according to him, to renew their attacks on the Assyrians, and once more to besiege Nineveh. But this chronology is open to great objections. There is strong reason for believing that Nineveh fell about B.C. 625 or 624;<sup>5</sup>

minding him of his wife, Rhætæa, whom fame reported much more beautiful than herself, and exhorting him to show his manhood by battling bravely with an unseemly passion. Hereupon Stryangæus retired to his chamber and killed himself, having first written to reproach Zarina with causing his death. (See Nic. Dam. Fr. 12; and compare Demetrius, *De Elocut.* § 219; Tzet. *Chiliad*, xii. 894; and Anon. *De claris mulieribus*, § 2.)

<sup>12</sup> Diod. Sic. ii. 34, § 5.

<sup>1</sup> Herod. iv. 1 and 4.

<sup>2</sup> Scythopolis. (See above, p. 227.) Polyhistor considered that Scythopolis was a town of importance in the time of Nebuchadnezzar. (Polyhist. ap. Euseb. *Præp. Ev.* ix. 30.)

<sup>3</sup> Sacasséné, which Strabo says took its name from them (xi. 8, § 4).

<sup>4</sup> Herod. i. 106. Compare iv. 1.

<sup>5</sup> This belief rests primarily on the statements of Abydenus and Polyhistor, which connect the fall of Nineveh with

but according to the numbers of Herodotus the fall would, at the earliest, have taken place in B.C. 602.<sup>6</sup> There is great unlikelihood that the Scyths, if they had maintained their rule for a generation, should not have attracted some distinct notice from the Jewish writers.<sup>7</sup> Again, if twenty-eight out of the forty years assigned to Cyaxares are to be regarded as years of inaction, all his great exploits, his two sieges of Nineveh, his capture of that capital, his conquest of the countries north and west of Media as far as the Halys,<sup>8</sup> his six years' war in Asia Minor beyond that river, and his joint expedition with Nebuchadnezzar into Syria, will have to be crowded most improbably into the space of twelve years, two or three preceding and ten or nine following the Scythian domination.<sup>9</sup> These and other reasons lead to the conclusion, which has the support of Eusebius,<sup>10</sup> that the Scythian domination was of much shorter duration than Herodotus imagined. It may have been twenty-

the accession of Nabopolassar (Abyd. ap. Euseb. *Chr. Can.* i. 9; Polyhist. ap. Syn-cell. *Chronograph.* p. 396)—an event fixed by the Canon of Ptolemy to B.C. 625. The value of these writers depends of course wholly on their representing to us, where they agree, the statements of Berosus. A second ground for believing that the capture was not much later than this is contained in the Lydian war of Cyaxares, which must have been subsequent to it, yet which seems to be best dated as between B.C. 615 and B.C. 610. It is perhaps worth noticing that Eusebius places the capture in B.C. 618, which is (according to him) the twelfth year of Cyaxares. (*Chron. Can.* ii. p. 328.)

<sup>6</sup> Herodotus represents Cyaxares as ascending the throne 153 years before the battle of Marathon, i.e. in B.C. 633. He first introduces a new system of discipline, which must take at least one year. He then attacks Nineveh, and is recalled by the arming of the Scyths—say in B.C. 632. The massacre is 28 years afterwards, or B.C. 604. Suppose Nineveh attacked for the second time in the very next year, which is unlikely enough, but just possible; it can scarcely have fallen till the year following, or B.C. 602. This is the shortest computa-

tion that is at all reasonable. It would be quite fair to claim that two or three years must have been occupied by the organization of the army on a new system; that about the same time would probably elapse between the rejection of the Scythic yoke and the recovery of sufficient strength to attack so great a town as Nineveh; and that the siege may well have occupied two full years, as Diodorus, following Ctesias, makes it. We should then have (633—3—28—2—2=) B.C. 598 as the Herodotean date of the capture.

<sup>7</sup> It is possible, but not certain, that two chapters of Ezekiel (chs. xxxviii. and xxxix.) refer to the Scythic ravages of this period.

<sup>8</sup> See below, p. 399.

<sup>9</sup> It is possible to tabulate the reign of Cyaxares so as to bring these events within the 12 years above indicated; but their all happening within so brief a space is most improbable.

<sup>10</sup> Eusebius places the fall of Nineveh in the 12th year of Cyaxares (B.C. 618, according to him). This would imply that the expulsion of the Scyths was at least as early as B.C. 620. He brings the Scyths into Asia in B.C. 631, thus assigning to their domination about eleven years.

eight years from the original attack on Media to the final expulsion of the last of the invaders from Asia—and this may have been what the informants of Herodotus really intended—but it cannot have been very long after the first attack before the Medes began to recover themselves, to shake off the fear which had possessed them, and clear their territories of the invaders. If the invasion really took place in the reign of Cyaxares, and not in the lifetime of his father, where Eusebius places it,<sup>11</sup> we must suppose that within eight years of its occurrence Cyaxares found himself sufficiently strong, and his hands sufficiently free, to resume his old projects, and for the second time to march an army into Assyria.

The weakness of Assyria was such as to offer strong temptations to an invader. As the famous inroad of the Gauls into Italy in the year of Rome 365 paved the way for the Roman conquests in the peninsula by breaking the power of the Etruscans, the Umbrians, and various other races, so the Scythic incursion may have really benefited, rather than injured, Media, by weakening the great power to whose empire she aspired to succeed. The exhaustion of Assyria's resources at the time is remarkably illustrated by the poverty and meanness of the palace which the last king, Saracus, built for himself at Calah.<sup>12</sup> She lay, apparently, at the mercy of the first bold assailant, her prestige lost, her army dispirited or disorganised, her defences injured, her high spirit broken and subdued.

Cyaxares, ere proceeding to the attack, sent, it is probable, to make an alliance with the Susianians and Chaldæans.<sup>13</sup> Susiana was the last country which Assyria had conquered, and could remember the pleasures of independence. Chaldæa, though it had been now for above half a century an Assyrian fief, and had borne the yoke with scarcely a murmur during that period, could never wholly forget its old glories, or the long resistance which it had made before submitting to its northern neigh-

<sup>11</sup> Eusebius makes Phraortes reign till B.C. 629, and Cyaxares succeed him in that year. (*Chron. Can.* ii. p. 327.)

<sup>12</sup> See pp. 229, 230.

<sup>13</sup> The "turmæ vulgi collectivæ, quæ a mari adversus Saracum adventabant"

(Abyd. ap. Euseb. *Chron. Can.* i. 9) must, I think, have been these two nations. The opportuneness of their attack makes it probable that they acted in concert with Cyaxares.



bour. The overtures of the Median monarch seem to have been favourably received; and it was agreed that an army from the south should march up the Tigris and threaten Assyria from that quarter, while Cyaxares led his Medes from the east, through the passes of Zagros against the capital. Rumour soon conveyed the tidings of his enemies' intentions to the Assyrian monarch, who immediately made such a disposition of the forces at his command as seemed best calculated to meet the double danger which threatened him. Selecting from among his generals the one in whom he placed most confidence—a man named Nabopolassar, most probably an Assyrian—he put him at the head of a portion of his troops, and sent him to Babylon to resist the enemy who was advancing from the sea.<sup>14</sup> The command of his main army he reserved for himself, intending to undertake in person the defence of his territory against the Medes. This plan of campaign was not badly conceived; but it was frustrated by an unexpected calamity. Nabopolassar, seeing his sovereign's danger, and calculating astutely that he might gain more by an opportune defection from a falling cause than he could look to receive as the reward of fidelity, resolved to turn traitor and join the enemies of Assyria. Accordingly he sent an embassy to Cyaxares, with proposals for a close alliance to be cemented by a marriage. If the Median monarch would give his daughter Amuhia (or Amyitis) to be the wife of his son Nebuchadnezzar, the forces under his command should march against Nineveh<sup>15</sup> and assist Cyaxares to capture it. Such a proposition arriving at such a time was not likely to meet with a refusal. Cyaxares gladly came into the terms; the marriage took place; and Nabopolassar, who had now practically assumed the sovereignty of Babylon,<sup>16</sup> either led or sent<sup>17</sup> a Babylonian contingent to the aid of the Medes.

<sup>14</sup> Abyd. l. s. c.; Polyhist. ap. Syncell. *Chronograph.* p. 396.

<sup>15</sup> "Copias auxiliares misit [Nabopolassar], videlicet ut filio suo Nabuchodrossorodesponderet Amuhiam e filibus Asdahagis unam." (Polyhist. ap. Euseb. *Chron. Can.* l. 5.) "Ut" seems to mean here ἐφ' ᾧ, "on condition that."

<sup>16</sup> This is implied in his proceedings. Only a king could undertake to treat with a king, and to propose such a marriage as that above spoken of.

<sup>17</sup> "Misit." Polyhist. ap. Euseb. l. s. c. "Contra Ninivem impetum faciebat." Abyden. ap. eund. (l. 9).

The siege of Nineveh by the combined Medes and Babylonians was narrated by Ctesias<sup>1</sup> at some length. He called the Assyrian king Sardanapalus, the Median commander Arbaces, the Babylonian Belesis. Though he thus disguised the real names, and threw back the event to a period a century and a half earlier than its true date, there can be no doubt that he intended to relate the last siege of the city, that which immediately preceded its complete destruction.<sup>2</sup> He told how the combined army, consisting of Persians and Arabs as well as of Medes and Babylonians, and amounting to four hundred thousand men, was twice defeated with great loss by the Assyrian monarch, and compelled to take refuge in the Zagros chain — how after losing a third battle it retreated to Babylonia — how it was there joined by strong reinforcements from Bactria, surprised the Assyrian camp by night, and drove the whole host in confusion to Nineveh — how then, after two more victories, it advanced and invested the city, which was well provisioned for a siege and strongly fortified. The siege, Ctesias said, had lasted two full years, and the third year had commenced — success seemed still far off — when an unusually rainy season so swelled the waters of the Tigris, that they burst into the city, sweeping away more than two miles (!) of the wall. This vast breach it was impossible to repair; and the Assyrian monarch, seeing that further resistance was vain, brought the struggle to an end by burning himself, with his concubines and eunuchs and all his chief wealth, in his palace.

Such, in outline, was the story of Ctesias. If we except the extent of the breach which the river is declared to have made, it contains no glaring improbabilities.<sup>3</sup> On the contrary, it is a

<sup>1</sup> See Diod. Sic. ii. 25–28.

<sup>2</sup> After this capture, Arbaces, according to Ctesias, destroyed Nineveh to its foundations (τὴν πόλιν εἰς ἑδαφος κατέσκαψεν).

<sup>3</sup> The danger which the cities on the Tigris run from the spring floods may be illustrated from the recent history of Baghdad. In the year 1849, Mr. Loftus, arriving at that place on May 5, found the whole population “in a state of the utmost alarm and apprehension. . . . The rise in the Tigris had attained the

unprecedented height of 22½ feet. . . . Nedjib Pasha had, a few days previously, summoned the population *en masse* to provide against the general danger by raising a strong high mound completely round the walls. Mats of reed were placed outside to bind the earth compactly together. The water was thus restrained from devastating the city — not so effectually, however, but that it filtered through the fine alluvial soil, and stood in the serdabs, or cellars, several feet in depth. It had reached

narrative that hangs well together, and that suits both the relations of the parties<sup>4</sup> and the localities. Moreover, it is confirmed in one or two points by authorities of the highest order. Still, as Ctesias is a writer who delights in fiction, and as it seems very unlikely that he would find a detailed account of the siege, such as he has given us, in the Persian archives, from whence he professed to derive his history,<sup>5</sup> no confidence can be placed in those points of his narrative which have not any further sanction. All that we *know* on the subject of the last siege of Nineveh is that it was conducted by a combined army of Medes and Babylonians,<sup>6</sup> the former commanded by Cyaxares, the latter by Nabopolassar or Nebuchadnezzar,<sup>7</sup> and that it was terminated, when all hope was lost, by the suicide of the Assyrian monarch. The self-immolation of Saracus is related by Abydenus,<sup>8</sup> who almost certainly follows Berosus in this part of his history. We may therefore accept it as a fact about which there ought to be no question. Actuated by a feeling which has more than once caused a vanquished monarch to die rather than fall into the power of his enemies, Saracus made a funeral pyre of his ancestral palace, and lighted it with his own hand.<sup>9</sup>

One further point in the narrative of Ctesias we may *suspect* to contain a true representation. Ctesias declared the cause of the capture to have been the destruction of the city wall by an unexpected rise of the river. Now, the prophet Nahum, in his

within two feet of the top of the bank! On the river side the houses alone, many of which were very old and frail, prevented the ingress of the flood. It was a critical juncture. Men were stationed night and day to watch the barriers. If the dam or any of the foundations had failed, Baghdad must have been bodily washed away. Fortunately the pressure was withstood, and the inundation gradually subsided." (Loftus, *Chaldaea and Susiana*, p. 7.)

<sup>4</sup> There is nothing improbable in the Medes inducing the Persians to help them, or in the Babylonians getting the assistance of some Arab tribes. (See above, p. 210.) The Bactrian contingent might be a fresh body of emigrant Medes arrived from those regions.

<sup>5</sup> See Diod. Sic. ii. 32, § 4.

<sup>6</sup> See besides Abydenus and Polyhistor, Tobit xiv. 15, and Josephus (*Ant. Jud.* x. 5, § 1).

<sup>7</sup> The book of Tobit makes Nebuchadnezzar the actual commander.

<sup>8</sup> See the passage quoted at length, p. 229, note <sup>6</sup>.

<sup>9</sup> The closest parallel to the conduct of Saracus is the self-destruction of Zimri (1 Kings xvi. 18). The unheroic spirit of the later Persians, not being able to conceive of such an act of self-immolation, ascribed the fire to a thunderbolt. (See the distorted story of the fall of Nineveh in Zenophon, *Anab.* iii. 4, §§ 11, 12; where the Assyrians are called Medes, and the Medes Persians, and where the effeminate Sardapalus becomes an actual woman — *Μῆδία γυνὴ βασιλεως.*)

announcement of the fate coming on Nineveh, has a very remarkable expression, which seems most naturally to point to some destruction of a portion of the fortifications by means of water. After relating the steps that would be taken for the defence of the place, he turns to remark on their fruitlessness, and says: "*The gates of the rivers are opened, and the palace is dissolved*;" and Huzzab is led away captive; she is led up, with her maidens, sighing as with the voice of doves, smiting upon their breasts."<sup>10</sup> Now, we have already seen that at the north-west angle of Nineveh there was a sluice or floodgate,<sup>11</sup> intended mainly to keep the water of the Khosr-su, which ordinarily filled the city moat, from flowing off too rapidly into the Tigris, but probably intended also to keep back the water of the Tigris, when that stream rose above its common level. A sudden and great rise of the Tigris would necessarily endanger this gate, and if it gave way beneath the pressure, a vast torrent of water would rush up the moat along and against the northern wall, which may have been undermined by its force, and have fallen in. The stream would then pour into the city; and it may perhaps have reached the palace platform, which being made of sun-dried bricks, and probably not cased with stone *inside* the city, would begin to be "dissolved."<sup>12</sup> Such seems the simplest and best interpretation of this passage, which, though it is not historical, but only prophetic, must be regarded as giving an importance that it would not otherwise have possessed to the statement of Ctesias with regard to the part played by the Tigris in the destruction of Nineveh.

The fall of the city was followed by a division of the spoil between the two principal conquerors. While Cyaxares took to his own share the land of the conquered people, Assyria Proper, and the countries dependent on Assyria towards the north and

<sup>10</sup> Nahum ii. 6, 7. The authorised version is followed mainly in this translation; but a few improvements are adopted from Mr. Vance Smith's *Prophecies concerning Nineveh*, pp. 242, 243.

<sup>11</sup> See above, vol. i. p. 259.

<sup>12</sup> Mr. Vance Smith argues against this translation of the word *נִמְלָךְ* here,

though he allows that *נִמְלָךְ* is ordinarily "to melt, dissolve," because (he says) "the raised terraces or platforms were very solid and faced with stone." (*Prophecies*, p. 243, note<sup>6</sup>.) But we do not know that they were ever so faced except when they formed part of the external defences of the town.

north-west, Nabopolassar was allowed, not merely Babylonia, Chaldæa, and Susiana,<sup>1</sup> but the valley of the Euphrates and the countries to which that valley conducted. Thus two considerable empires arose at the same time out of the ashes of Assyria — the Babylonian towards the south and the south-west, stretching from Luristan to the borders of Egypt, the Median towards the north, reaching from the salt desert of Iran to Amanus and the Upper Euphrates. These empires were established by mutual consent; they were connected together, not merely by treaties, but by the ties of affinity which united their rulers; and, instead of cherishing, as might have been expected, a mutual suspicion and distrust, they seem to have really entertained the most friendly feelings towards one another, and to have been ready on all emergencies to lend each other important assistance.<sup>2</sup> For once in the history of the world, two powerful monarchies were seen to stand side by side, not only without collision, but without jealousy or rancour. Babylonia and Media were content to share between them the empire of Western Asia: the world was, they thought, wide enough for both; and so, though they could not but have had in some respects conflicting interests, they remained close friends and allies for more than half a century.

To the Median monarch the conquest of Assyria did not bring a time of repose. Wandering bands of Scythians were still, it is probable, committing ravages in many parts of Western Asia. The subjects of Assyria, set free by her downfall, were likely to use the occasion for the assertion of their independence, if they were not immediately shown that a power of at least equal strength had taken her place, and was prepared to claim her inheritance. War begets war; and the successes of Cyaxares up to the present point in his career did but whet his appetite for power, and stimulate him to attempt further conquests. In brief but pregnant words Herodotus informs us that Cyaxares "subdued to himself all Asia above the Halys."<sup>3</sup>

<sup>1</sup> The dependence of Susiana on Babylon during the Median period is shown by the book of Daniel, where the prophet goes on the king's business to "Shushan the palace in the province

of Elam," during the reign of Belshazzar. (Dan. viii. 2 and 27.)

<sup>2</sup> See below, pp. 409 and 414.

<sup>3</sup> Herod. i. 103. Οὗτός [Κυαξάρης] ἔστιν . . . ὁ τὴν Ἄλυνος ποταμοῦ ἀνω Ἀσίαν πᾶσαν συντήσας ἑαυτοῦ.

How much he may include in this expression, it is impossible to determine; but, *primâ facie*, it would seem at least to imply that he engaged in a series of wars with the various tribes and nations which intervened between Media and Assyria on the one side and the river Halys on the other, and that he succeeded in bringing them under his dominion. The most important countries in this direction were Armenia and Cappadocia. Armenia, strong in its lofty mountains, its deep gorges, and its numerous rapid rivers—the head-streams of the Tigris, Euphrates, Kur, and Aras—had for centuries resisted with unconquered spirit the perpetual efforts of the Assyrian kings to bring it under their yoke, and had only at last consented under the latest king but one to a mere nominal allegiance.<sup>4</sup> Cappadocia had not even been brought to this degree of dependence. It had lain beyond the furthest limit whereto the Assyrian arms had ever reached, and had not as yet come into collision with any of the great powers of Asia. Other minor tribes in this region, neighbours of the Armenians and Cappadocians, but more remote from Media, were the Iberians,<sup>5</sup> the Colchians, the Moschi, the Tibareni, the Mares, the Macrones, and the Mosynœci.<sup>6</sup> Herodotus appears to have been of opinion that all these tribes, or at any rate all but the Colchians, were at this time brought under by Cyaxares,<sup>7</sup> who thus extended his dominions to the Caucasus and the Black Sea upon the north, and upon the east to the Kizil Irmak or Halys.

It is possible that the reduction of these countries under the Median yoke was not so much a conquest as a voluntary submission of the inhabitants to the power which alone seemed strong enough to save them from the hated domination of the Scyths. According to Strabo, Armenia and Cappadocia were the regions where the Scythic ravages had been most severely

<sup>4</sup> We can scarcely suppose that the submission of *Belat-Duri* (supra, p. 210, note 7) was more than this.

<sup>5</sup> The "Sapeirians" of Herodotus (i. 104; iii. 95; vii. 79).

<sup>6</sup> Herod. iii. 94; vii. 78, 79.

<sup>7</sup> His expression "all Asia above the Halys" (supra, note 4), is ample enough

to cover the whole of this district. That he regards it as part of the Median empire, and as devolving upon Persia by her conquest of Media, seems to follow from his making no allusion to the conquest of any part of it by Cyrus or his successors.

felt.<sup>8</sup> Cappadocia had been devastated from the mountains down to the coast; and in Armenia the most fertile portion of the whole territory had been seized and occupied by the invaders, from whom it thenceforth took the name of Sacassêné. The Armenians and Cappadocians may have found the yoke of the Scyths so intolerable as to have gladly exchanged it for dependence on a comparatively civilised people. In the neighbouring territory of Asia Minor a similar cause had recently exercised a unifying influence, the necessity of combining to resist Cimmerian immigrants having tended to establish a hegemony of Lydia over the various tribes which divided among them the tract west of the Halys.<sup>9</sup> It is evidently not improbable that the sufferings endured at the hands of the Scyths may have disposed the nations east of the river to adopt the same remedy, and that, so soon as Media had proved her strength, first by shaking herself free of the Scythic invaders, and then by conquering Assyria, the tribes of these parts accepted her as at once their mistress and their deliverer.<sup>10</sup>

Another quite distinct cause may also have helped to bring about the result above indicated. Parallel with the great Median migration from the East under Cyaxares, or Phraortes (?), his father, an Arian influx had taken place into the countries between the Caspian and the Halys. In Armenia and Cappadocia, during the flourishing period of Assyria, Turanian tribes had been predominant.<sup>11</sup> Between the middle and the end of the seventh century B.C. these tribes appear to have yielded the supremacy to Arians. In Armenia, the present language, which is predominantly Arian, ousted the former

<sup>8</sup> Strab. xi. 8, § 4.

<sup>9</sup> See below, p. 406.

<sup>10</sup> It was observed above, that *prima facie* the words of Herodotus seem to imply a series of wars. We notice, however, when we look more narrowly at the passage, that the expression used, *συνήγαγε αὐτοῖς*, is unusual and ambiguous. It might apply to a violent subjugation, but it does not necessarily imply violence. It would be a suitable expression to use if the nations of this part of Asia came under the power of

Cyaxares by arrangement, and not on compulsion.

<sup>11</sup> This is especially indicated by the Turanian character of the names of those who bear rule in these regions during the whole period covered by the Assyrian historical inscriptions (ab. B.C. 1230-650). It is further proved by the Turanian character of the language in the cuneiform inscriptions of Armenia. (See Sir H. Rawlinson in the author's *Herodotus*, vol. i. p. 537; vol. iv. p. 206.)

Turanian tongue, which appears in the cuneiform inscriptions of Van and the adjacent regions. In Cappadocia, the Moschi and Tibareni had to yield their seats to a new race — the Katapatuka, who were not only Arian but distinctly Medo-Persic, as is plain from their proper names,<sup>1</sup> and from the close connection of their royal house with that of the kings of Persia.<sup>2</sup> This spread of the Arians into the countries lying between the Caspian and the Halys must have done much to pave the way for Median supremacy over those regions. The weaker Arian tribes of the north would have been proud of their southern brethren, to whose arms the queen of Western Asia had been forced to yield, and would have felt comparatively little repugnance in surrendering their independence into the hands of a friendly and kindred people.

Thus Cyaxares, in his triumphant progress to the north and the north-west, made war, it is probable, chiefly upon the Scyths, or upon them and the old Turanian inhabitants of the countries, while by the Arians he was welcomed as a champion come to deliver them from a grievous oppression. Ranging themselves under his standard, they probably helped him to expel from Asia the barbarian hordes which had now for many years tyrannised over them; and when the expulsion was completed, gratitude or habit made them willing to continue in the subject position which they had assumed in order to effect it. Cyaxares within less than ten years<sup>3</sup> from his capture of Nineveh, had added to his empire the fertile and valuable tracts of Armenia and Cappadocia — never really subject to Assyria — and may perhaps have further mastered the entire region between Armenia and the Caucasus and Euxine.

The advance of their western frontier to the river Halys, which was involved in the absorption of Cappadocia into the

<sup>1</sup> Among Cappadocian names are Pharnaces, Smerdis, Artamnes, Ariarathes, Ariarnes, Orophernes, Ariobarzanes, &c.

<sup>2</sup> According to Diodorus (ap. Phot. *Bibliothec.* p. 1158), Pharnaces, king of Cappadocia (ab. B.C. 650), married Atossa, sister of Cambyses, an ancestor of Cyrus the Great.

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<sup>3</sup> The fall of Nineveh has been placed in B.C. 625 or a little later. If the eclipse of Thales is considered to be that of B.C. 610, the commencement of the Lydian war will be B.C. 615. This war could not take place till the frontier had been extended to the Halys.



Empire brought the Medes into contact with a new power — a power which, like Media, had been recently increasing in greatness, and which was not likely to submit to a foreign yoke without a struggle. The LYDIAN kingdom was one of great antiquity in this part of Asia. According to traditions current among its people, it had been established more than seven hundred years<sup>4</sup> at the time when Cyaxares pushed his conquests to its borders. Three dynasties of native kings — Atyadæ, Heraclidæ, and Mermnadæ — had successively held the throne during that period.<sup>5</sup> The Lydians could repeat the names of at least thirty monarchs<sup>6</sup> who had borne sway in Sardis, their capital city, since its foundation. They had never been conquered. In the old times, indeed, Lydus, the son of Atys, had changed the name of the people inhabiting the country from Mæonians to Lydians<sup>7</sup> — a change which to the keen sense of an historical critic implies a conquest of one race by another. But to the people themselves this tradition conveyed no such meaning; or, if it did to any, their self-complacency was not disturbed thereby, since they would hug the notion that *they* belonged not to the conquered race but to the conquerors. If a Rameses or a Sesostris had ever penetrated to their country, he had met with a brave resistance, and had left monuments indicating his respect for their courage.<sup>8</sup> Neither Babylon nor Assyria had ever given a king to the Lydians — on the contrary, the Lydian tradition was, that they had themselves sent forth Belus, and Ninus from their own country to found dynasties and cities in Mesopotamia.<sup>9</sup> In a still more remote age they had seen their colonists embark upon the western waters,<sup>10</sup> and start for the distant Hesperia, where they had arrived in safety, and had

<sup>4</sup> Three Mermnad kings had reigned 99 years according to Herodotus, 89 according to Eusebius. The Heraclidæ had reigned 505 years according to the former. The Atyadæ, who had furnished several kings (Atys, Lydus, Meles, Moxus, &c.), must be assigned more than a century.

<sup>5</sup> Herod. i. 7-14.

<sup>6</sup> At least four Atyadæ (see above, note <sup>4</sup>), 22 Heraclidæ (Herod. i. 7), and

four Mermnadæ, Gyges, Ardys, Sadyattes, and Alyattes.

<sup>7</sup> Herod. i. 7; vii. 74.

<sup>8</sup> Ibid. ii. 106. Compare ch. 102.

<sup>9</sup> This is the only possible explanation of the mythic genealogy in Herod. i. 7. (See the author's *Herodotus*, vol. i. p. 292, 2nd edition.)

<sup>10</sup> Ένι Άρτος τοῦ Μάρου βασιλῆος. Herod. i. 94.

founded the great Etruscan nation. On another occasion they had carried their arms beyond the limits of Asia Minor, and had marched southward to the very extremity of Syria, where their general, Ascalus, had founded a great city and called it after his name.<sup>11</sup>

Such were the Lydian traditions with respect to the more remote times. Of their real history they seem to have known but little, and that little did not extend further back than about two hundred years before Cyaxares.<sup>12</sup> Within this space it was certain that they had had a change of dynasty, a change preceded by a long feud between their two greatest houses,<sup>13</sup> which were perhaps really two branches of the royal family.<sup>14</sup> The Heraclidæ had grown jealous of the Mermnadæ, and had treated them with injustice: the Mermnadæ had at first sought their safety in flight, and afterwards, when they felt themselves strong enough, had returned, murdered the Heraclide monarch, and placed their chief, Gyges, upon the throne. With Gyges, who had commenced his reign about B.C. 700,<sup>15</sup> the prosperity of the Lydians had greatly increased, and they had begun to assume an aggressive attitude towards their neighbours. Gyges' revenue was so great that his wealth became proverbial,<sup>16</sup> and he could afford to spread his fame by sending from his superfluity to the distant temple of Delphi presents of such

<sup>11</sup> Xanth. *Lyd.* Fr. 23; Nic. Dam. Fr. 26. It is perhaps scarcely necessary to observe that very little confidence can be placed in any of these traditions. They are adduced here merely as helping us to understand the spirit and temper of the people.

<sup>12</sup> The Mermnadæ had, I conceive, been on the throne nearly a century (85 years) when Cyaxares made his attack upon Lydia. The *history* of the Heraclidæ seems to have commenced with Ardys, the fifth ancestor of Candaules (Nic. Dam. Fr. 49), whom Eusebius makes the first king. (*Chron. Can.* i. 15; ii. p. 318, ed. Mai.) These five Heraclide reigns would cover a space of about 115 years, at the (very probable) rate of reckoning indicated by Herodotus (i. 7, sub fin.).

<sup>13</sup> See Nic. Dam. Fr. 26. An abstract of the passage has been given by the

author in his *Herodotus* (vol. i. p. 296, note 1).

<sup>14</sup> The same names occur in both houses, as Ardys, Sadyattes and Alyattes (if that is equivalent to Adyattes). Ardys is common to both Mermnads and Heraclides before the usurpation of Gyges. (Nic. Dam. l. s. c.)

<sup>15</sup> The date of Herodotus, B.C. 724, is upset by the discovery that Gyges was contemporary with Asshur-bani-pal. (See above, p. 203, note 6.) The date of Eusebius is B.C. 698. (*Chron. Can.* ii. p. 323, ed. Mai.)

<sup>16</sup> Gyges was known in his lifetime as ὁ πολύχρυσος. (Archiloch. ap. Arist. *Rhet.* iii. 17.) The epithet attached to him and to his city for ages afterwards. (See Æschyl. *Pers.* 45; Alpheus in *Antholog.* i. 12; Eurip. *Iph. in Aul.* 786; Nicolaus ap. Stob. xiv. p. 87; &c.)

magnificence that they were the admiration of later ages.<sup>17</sup> The relations of his predecessors with the Greeks of the Asiatic coast had been friendly. Gyges changed this policy, and, desirous of enlarging his seaboard, made war upon the Greek maritime towns, attacking Miletus and Smyrna without result, but succeeding in capturing the Ionic city of Colophon.<sup>18</sup> He also picked a quarrel with the inland town of Magnesia, and after many invasions of its territory compelled it to submission.<sup>19</sup> According to some, he made himself master of the whole territory of the Troad, and the Milesians had to obtain his permission before they could establish their colony of Abydos upon the Hellespont.<sup>20</sup> At any rate he was a rich and puissant monarch in the eyes of the Greeks of Asia and the islands, who were never tired of celebrating his wealth, his wars, and his romantic history.<sup>1</sup>

The shadow of calamity had, however, fallen upon Lydia towards the close of Gyges' long reign. About thirty years<sup>2</sup> before the Scythians from the Steppe country crossed the Caucasus and fell upon Media, the same barrier was passed by another great horde of nomads. The Cimmerians, probably a Celtic people,<sup>3</sup> who had dwelt hitherto in the Tauric Chersonese and the country adjoining upon it, pressed on by Scythic invaders from the East, had sought a vent in this direction. Passing the great mountain barrier either by the route of Mozdok<sup>4</sup>—the Pylæ Caucasæ—or by some still more difficult track towards the Euxine, they had entered Asia Minor by

<sup>17</sup> Herod. i. 14.

<sup>18</sup> Ibid.

<sup>19</sup> Xanth. *Lyd.* Fr. 19; Nic. Dam. p. 50, ed. Orelli. Herodotus does not seem to have been aware of the reduction of this town, which must therefore be regarded as uncertain.

<sup>20</sup> Strab. xiii. 1, § 22.

<sup>1</sup> Archilochus celebrated the wealth of Gyges in the well-known line—*οὐ μοι τὰ Γύγες τοῦ πολυχρύσου μέλει* (*Ar. Rhet.* iii. 17). Mimnermus described the war between Gyges and the people of Smyrna (Pausan. iv. 21, § 3). The myth of Gyges which we find in Plato (*Republ.* ii. 3) was probably derived from an early Greek poet.

<sup>2</sup> The inscriptions of Asshur-bani-

pal show us that the Cimmerian invasion of Asia Minor had commenced before the death of Gyges, whose last year is by no writer placed later than B.C. 662. The Scythic invasion has been already assigned to B.C. 632 or 631. (*Supra*, pp. 391, 392.)

<sup>3</sup> On this subject see the author's *Herodotus*, vol. iii. pp. 150-156, 2nd ed.

<sup>4</sup> Herodotus makes them march along the coast, the whole way; but this route is impracticable. Probably they proceeded along the foot of the Caucasus, till they reached the Terek, which they then followed up to its source, where they would come upon the famous Pylæ.

way of Cappadocia and had spread terror and devastation in every direction. Gyges, alarmed at their advance, had placed himself under the protection of Assyria, and had then confidently given them battle, defeated them, and captured several of their chiefs.<sup>5</sup> It is uncertain whether the Assyrians gave him any material aid, but evident that he ascribed his success to his alliance with them. In his gratitude he sent an embassy to Asshur-bani-pal, king of Assyria, and courted his favour by presents and by sending him his Cimmerian captives.<sup>6</sup> Later in his reign, however, he changed his policy, and, breaking with Assyria, gave aid to the Egyptian rebel, Psammetichus, and helped him to establish his independence. The result followed which was to be expected. Assyria withdrew her protection; and Lydia was left to fight her own battles when the great crisis came. Carrying all before them, the fierce hordes swarmed in full force into the more western districts of Asia Minor; Paphlagonia, Phrygia, Bithynia, Lydia, and Ionia were overrun;<sup>7</sup> Gyges, venturing on an engagement, perished; the frightened inhabitants generally shut themselves up in their walled towns, and hoped that the tide of invasion might sweep by them quickly and roll elsewhere; but the Cimmerians, impatient and undisciplined as they might be, could sometimes bring themselves to endure the weary work of a siege, and they saw in the Lydian capital a prize well worth an effort. The hordes besieged Sardis, and took it, except the citadel, which was commandingly placed and defied all their attempts. A terrible scene of carnage must have followed. How Lydia withstood the blow, and rapidly recovered from it, is hard to understand; but it seems certain that within a generation she was so far restored to vigour as to venture on resuming her attacks upon the Greeks of the coast, which had been sus-

<sup>5</sup> See above, p. 204.

<sup>6</sup> The surrender of the captives appears to me a real acknowledgment of suzerainty. Asshur-bani-pal himself viewed the presents as "tribute."

<sup>7</sup> On the Cimmerian ravages, See Callinus, *Fr.* 2; Herod. i. 15; iv. 12; Strab. i. 3, § 21; xiv. 1, § 40; Callimach. *Hymn.*

*ad. Dian.* 248-260; Eustath. *Comment.*

*ad. Hom. Od.* xi. 14; Steph. Byz. *ad voc.*

"Ανταρδος; and Hesych. *ad voc.* Λύγ-

δαμης. Compare the author's *Herodotus*,

vol. i. pp. 299-301, 2nd edition, and Mr.

Grote's *History of Greece*, vol. ii. pp.

431-434, 2nd edition.

pended during her period of prostration. Sadyattes, the son of Ardys, and grandson of Gyges, following the example of his father and grandfather, made war upon Miletus;<sup>8</sup> and Alyattes, his son and successor, pursued the same policy of aggression. Besides pressing Miletus, he besieged and took Smyrna,<sup>9</sup> and ravaged the territory of Clazomenæ.<sup>10</sup>

But the great work of Alyattes' reign, and the one which seems to have had the most important consequences for Lydia, was the war which he undertook for the purpose of expelling the Cimmerians from Asia Minor. The hordes had been greatly weakened by time, by their losses in war, and probably by their excesses; they had long ceased to be formidable; but they were still strong enough to be an annoyance. Alyattes is said to have "driven them *out of Asia*,"<sup>11</sup> by which we can scarcely understand less than that he expelled them from his own dominions and those of his neighbours—or, in other words, from the countries which had been the scenes of their chief ravages—Paphlagonia, Bithynia, Lydia, Phrygia, and Cilicia.<sup>12</sup> But, to do this, he must have entered into a league with his neighbours, who must have consented to act under him for the purposes of the war, if they did not even admit the permanent hegemony of his country. Alyattes' success appears to have been complete, or nearly so;<sup>13</sup> he cleared Asia Minor of the Cimmerians; and having thus conferred a benefit on all the nations of the region and exhibited before their eyes his great military capacity, if he had not actually constructed an Empire, he had at any rate done much to pave the way for one.

Such was the political position in the regions west and south of the Halys, when Cyaxares completed his absorption of Cappadocia, and looking across the river that divided the Cappadocians from the Phrygians, saw stretched before him a region of great fertile plains, which seemed to invite an invader. A

<sup>8</sup> Herod. i. 15 and 18.

<sup>9</sup> Ibid. i. 16; Nic. Dam. p. 52, ed. Orelli.

<sup>10</sup> Herod. i. s. c.

<sup>11</sup> Κιμμερίους ἐκ τῆς Ἀσίας ἐξήλασε. Herod. i. s. c.

<sup>12</sup> On the Cimmerian invasion of Cilicia, see Strab. i. 3, § 21.

<sup>13</sup> According to Herodotus the Cimmerians made a permanent settlement at Sinope (iv. 12); and according to Aristotle (Fr. 190) they maintained themselves for a century at Antandros in the Troad. Otherwise they disappear from Asia.

pretext for an attack was all that he wanted, and this was soon forthcoming. A body of the nomad Scyths — probably belonging to the great invasion, though Herodotus thought otherwise<sup>14</sup> — had taken service under Cyaxares, and for some time served him faithfully, being employed chiefly as hunters. A cause of quarrel, however, arose after a while; and the Scyths, disliking their position or distrusting the intentions of their lords towards them, quitted the Median territory, and marching through a great part of Asia Minor, sought and found a refuge with Alyattes, the Lydian king. Cyaxares, upon learning their flight, sent an embassy to the court of Sardis to demand the surrender of the fugitives; but the Lydian monarch met the demand with a refusal, and, fully understanding the probable consequences, immediately prepared for war.

Though Lydia, compared to Media, was but a small state, yet her resources were by no means inconsiderable. In fertility she surpassed almost every other country of Asia Minor,<sup>15</sup> which is altogether one of the richest regions in the world. At this time she was producing large quantities of gold, which was found in great abundance in the Pactolus, and probably in the other small streams that flowed down on all sides from the Tmolus mountain-chain.<sup>1</sup> Her people were at once warlike and ingenious. They had invented the art of coining money,<sup>2</sup> and showed considerable taste in their devices.<sup>3</sup> They



No. 1.



No. 2.

Lydian Coins.

<sup>14</sup> Herod. i. 73. Herodotus seems to have imagined that these Scythians were political refugees from his European Scythia.

<sup>15</sup> On the richness and fertility of this part of Asia, see Virg. *Æn.* x. 141; Strabo, xiii. 4, § 5; and compare Sir C. Fellows's *Asia Minor*, pp. 16-42.

<sup>1</sup> See Herod. i. 93; Soph. *Philoct.* i. 393; Plin. *H. N.* v. 29, 30; &c. Cræsus had also mines, which he worked, near Pergamus. (See Aristot. *Mirab. Auscult.* 52.)

<sup>2</sup> Xenoph. *Coloph.* ap. Polluc. ix. 6, § 83; Herod. i. 94; Eustath. *ad Dionys. Perieg.* 840. The claim of the Lydians to be regarded as the inventors of coining has been disputed by some, among others by the late Col. Leake. (*Num. Hellen.* Appendix: *Journal of Classical and Sacred Philology*, vol. iv. pp. 243, 244.) I have discussed the subject in my *Herodotus* (vol. i. pp. 565, 566, 2nd edition).

<sup>3</sup> Most Lydian coins bear the device of a crowned figure about to shoot an

claimed also to have been the inventors of a number of games, which were common to them with the Greeks.<sup>4</sup> According to Herodotus, they were the first who made a livelihood by shop-keeping.<sup>5</sup> They were skilful in the use of musical instruments,<sup>6</sup> and had their own peculiar musical mode or style, which was in much favour among the Greeks, though condemned as effeminate by some of the philosophers.<sup>7</sup> At the same time the Lydians were not wanting in courage or manliness.<sup>8</sup> They fought chiefly on horseback, and were excellent riders, carrying long spears, which they managed with great skill.<sup>9</sup> Nicolas of Damascus tells us that, even under the Heraclide kings, they could muster for service cavalry to the number of 30,000.<sup>10</sup> In peace they pursued with ardour the sports of the field,<sup>11</sup> and found in the chase of the wild-boar a pastime which called forth and exercised every manly quality. Thus Lydia, even by herself, was no contemptible enemy; though it can hardly be supposed that, without help from others, she would have proved a match for the Great Median Empire.

But such help as she needed was not wanting to her. The rapid strides with which Media had advanced towards the west had no doubt alarmed the numerous princes of Asia Minor, who must have felt that they had a power to deal with as full of schemes of conquest as Assyria, and more capable of carrying her designs into execution. It has been already observed

arrow from a bow — which seems to be the pattern from which the Persians copied the emblem on their Darics. A few have the head of a lion, or the fore-parts of a lion and a bull (as that figured above, No. 1, which is supposed to have been struck by Cræsus). Both the animal forms are in this case rendered with much spirit.

<sup>4</sup> Dice, huckle-bones, ball, &c. (Herod. i. 94).

<sup>5</sup> Πρώτοι κἀπηλοι ἐγένοντο. (Herod. i. s. c.)

<sup>6</sup> Pindar related that the *magadis* or *pectis*, a harp with sometimes as many as twenty strings, had been adopted by the Greeks from the Lydians, who used it at their banquets. (Ap. Athen. *Deipn.* xiv. p. 635). Herodotus speaks of the

Lydians using both this instrument, and also the *syrix* (Pan's pipe), and the double flute, in their military expeditions (i. 17).

<sup>7</sup> Plato, *Repub.* iii. 10. Aristotle seems to have entertained an opposite opinion. (*Pol.* viii. 7, ad fin.)

<sup>8</sup> Herodotus, speaking of the Lydians, so late as the time of Cræsus, says, Ἦν δὲ τούτων τὸν χρόνον ἔθνος οὐδὲν ἐν τῇ Ἀσίῃ οὔτε ἀνδρείωτερον οὔτε ἀλκιμώτερον τοῦ Λυδίου (i. 79). They did not change their character till after the Persian conquest.

<sup>9</sup> Herod. i. s. c.

<sup>10</sup> Nic. Dam. *Fr.* 49 (*Fragm. Hist. Gr.* vol. iii. p. 382).

<sup>11</sup> Herod. i. 36-43; Nic. Dam. *Fr.* 49, p. 384.

that the long course of Assyrian aggressions developed gradually among the Asiatic tribes a tendency to unite in leagues for purposes of resistance.<sup>12</sup> The circumstances of the time called now imperatively for such a league to be formed, unless the princes of Asia Minor were content to have their several territories absorbed one after another into the growing Median Empire. These princes appear to have seen their danger. Cyaxares may perhaps have declared war specially against the Lydians, and have crossed the Halys professedly in order to chastise them; but he could only reach Lydia through the territories of other nations, which he was evidently intending to conquer on his way; and it was thus apparent that he was actuated, not by anger against a particular power, but by a general design of extending his dominions in this direction. A league seems therefore to have been determined on. We have not indeed any positive evidence of its existence till the close of the war;<sup>13</sup> but the probabilities are wholly in favour of its having taken effect from the first. Prudence would have dictated such a course; and it seems almost implied in the fact, that a successful resistance was made to the Median attack from the very commencement. We may conclude therefore that the princes of Asia Minor, having either met in conclave or communicated by embassies, resolved to make common cause, if the Medes crossed the Halys; and that, having already acted under Lydia in the expulsion of the Cimmerians from their territories, they naturally placed her at their head when they coalesced for the second time.

Cyaxares, on his part, was not content to bring against the confederates merely the power of Media. He requested and obtained a contingent from the Babylonian monarch, Nabopolassar, and may not improbably have had the assistance of other allies also. With a vast army drawn from various parts

<sup>12</sup> See above, pp. 150, 151.

<sup>13</sup> The evidence of a league is found in the presence of Syennesis, king of Cilicia, at the great battle terminated by the eclipse. (See below, p. 411.) He is manifestly there as an ally of Lydia, just as Labynetis is present as

an ally of Media. But if the distant and powerful Cilician monarch joined Alyattes, and fought under him, much more may we be sure that the princes of the nearer and weaker states, Caria, Phrygia, Lycia, Paphlagonia, &c., placed themselves under his protection.



of inner Asia, he invaded the territory of the Western Powers, and began his attempt at subjugation. We have no detailed account of the war; but we learn from the general expressions of Herodotus that the Median monarch met with a most stubborn resistance; numerous engagements were fought with varied results; sometimes the Medes succeeded in defeating their adversaries in pitched battles; but sometimes, and apparently as often, the Lydians and their allies gained decided victories over the Medes.<sup>14</sup> It is noted that one of the engagements took place by night, a rare occurrence in ancient (as in modern) times.<sup>15</sup> The war had continued six years, and the Medes had evidently made no serious impression,<sup>16</sup> when a remarkable circumstances brought it suddenly to a termination.

The two armies had once more met and were engaged in conflict, when, in the midst of the struggle, an ominous darkness fell upon the combatants and filled them with superstitious awe. The sun was eclipsed, either totally or at any rate considerably,<sup>17</sup> so that the attention of the two armies was attracted to it; and, discontinuing the fight, they stood to gaze at the phenomenon. In most parts of the East such an occurrence is even now seen with dread — the ignorant mass believe that the orb of day is actually being devoured or destroyed, and that the end of all things is at hand — even the chiefs, who may have some notion that the phenomenon is a recurrent one, do not understand its cause, and participate in the alarm of their followers. On the present occasion it is said

<sup>14</sup> Herod. i. 74.

<sup>15</sup> Some regard this "*night engagement*" as identical with the battle stopped by the eclipse, when (to use the words of Herodotus) "the day became *night*" (see Bähr, ad loc.). But, strictly taken, the words of Herodotus assign the night engagement to one of the first five years, whereas the eclipse is in the sixth.

<sup>16</sup> Διαφέρουσι δὲ σφί ἐν ἰσῆς τὸν πόλεμον is the expression of Herodotus (l. s. c.).

<sup>17</sup> It has been customary to assume that the eclipse *must have been a total one*; and the enquiries of astronomers have been directed to the resolution of

the question — What total eclipses were there in Asia Minor in the 50 years from B.C. 630 to B.C. 580? But, though a total eclipse would seem to be required by the descriptive language of Herodotus, no such phenomenon is requisite for the facts of his tale, which alone can be regarded as historical. If the eclipse was *sufficient to be noticed*, it would produce naturally all the superstitious awe, and so all the other results, which Herodotus relates. It is not the mere darkness, but the portent, that alarms and paralyses the ignorant Asiatic in such cases.

that, amid the general fear, a desire for reconciliation seized both armies.<sup>18</sup> Of this spontaneous movement two chiefs, the foremost of the allies on either side, took advantage. Syennesis, king of Cilicia, the first known monarch of his name,<sup>19</sup> on the part of Lydia, and a prince whom Herodotus calls "Labynetus of Babylon"—probably either Nabopolassar<sup>1</sup> or Nebuchadnezzar—on the part of Media, came forward to propose an immediate armistice; and when the proposal was accepted on either side, proceeded to the more difficult task of arranging terms of peace between the contending parties. Since nothing is said of the Scythians, who had been put forward as the ostensible grounds of quarrel, we may presume that Alyattes retained them. It is further clear that both he and his allies preserved undiminished both their territories and their independence. The territorial basis of the treaty was thus what in modern diplomatic language is called the *status quo*; matters, in other words, returned to the position in which they had stood before the war broke out. The only difference was that Cyaxares gained a friend and an ally where he had previously had a jealous enemy; since it was agreed that the two kings of Media and Lydia should swear a friendship, and that, to cement the alliance, Alyattes should give his daughter Aryênis in marriage to Astyages, the son of Cyaxares. The marriage thus arranged took place soon afterwards, while the oath of friendship was sworn at once. According to the barbarous usages of the time and place, the two monarchs having met and repeated the words of the formula, punctured their own arms, and then sealed their contract by each sucking from the wound a portion of the other's blood.<sup>2</sup>

<sup>18</sup> Herod. i. 74. Τῆς μάχης τε ἐπαύσαντο καὶ μᾶλλον τι ἴσπευσαν καὶ ἀμφοτέροι αἰρήνην ἐωντοίοις γενέσθαι.

<sup>19</sup> The name occurs repeatedly in later Cilician history (Æschyl. *Pers.* 328; Herod. vii. 98; Xen. *Anab.* i. 2, § 23). Apparently it is either a royal title like Pharaoh, or a name which each king assumes when he mounts the throne.

<sup>1</sup> If the true date of the eclipse is B.C. 610, it would fall into reign of Nabopolassar, which covered the space between B.C. 625 and B.C. 604. If it was the eclipse of B.C. 603, of B.C. 597, of B.C. 585, or of B.C. 583, Nabopolassar would be dead, and Nebuchadnezzar would be king of Babylon.

<sup>2</sup> Herod. i. 74, ad fin. A practice nearly similar is ascribed to the European Scythians by Herodotus (iv. 70),

By this peace the three great monarchies of the time — the Median, the Lydian, and the Babylonian — were placed on terms, not only of amity, but of intimacy and (if the word may be used) of blood relationship. The Crown Princes of the three kingdoms had become brothers.<sup>3</sup> From the shores of the Egean to those of the Persian Gulf, Western Asia was now ruled by interconnected dynasties, bound by treaties to respect each other's rights, and perhaps to lend each other aid in important conjunctures, and animated, it would seem, by a real spirit of mutual friendliness and attachment. After more than five centuries of almost constant war and ravage, after fifty years of fearful strife and convulsion, during which the old monarchy of Assyria had gone down and a new Empire — the Median — had risen up in its place, this part of Asia entered upon a period of repose which stands out in strong contrast with the long term of struggle. From the date of the peace between Alyattes and Cyaxares (probably B.C. 610),<sup>4</sup> for nearly half a century, the three kingdoms of Media, Lydia, and Babylonia remained fast friends, pursuing their separate courses without

and to the Armenians and Iberians by Tacitus (*Ann.* xii. 47). One not very different is still found in S. Africa (*Livingstone, Travels*, p. 488). The rationale of the custom seems to be, as Dr. Livingstone explains, the notion that by drinking each other's blood the two parties become perpetual friends and relations.

<sup>3</sup> The subjoined table will illustrate this statement:

Alyattes.	Cyaxares.	Nabopolassar.
└─┬─┘	└─┬─┘	└─┬─┘
Croesus Aryenis.	Asy. Amuhlam.	Nebuchadnezzar.
	ages.	

Nebuchadnezzar and Croesus were both brothers-in-law of Astyages.

<sup>4</sup> I am still unconvinced by the arguments of Mr. Bosanquet, who regards the eclipse as positively fixed to the year A.C. 585. The grounds of our difference are two-fold. 1. I do not think the eclipse must necessarily have been total. (See above, p. 410, note <sup>17</sup>.)

And 2. I do not regard astronomical science as capable of pronouncing on the exact line taken by eclipses which happened more than 2000 years ago. The motions of the earth and of the moon are not uniform, and no astronomer can say that all the irregularities which may exist are known to him and have been taken into account with exactness in his back calculations. Fresh irregularities are continually discovered; and hence the calculations of astronomers as to the lines of past eclipses are continually changing. (See the long note in Mr. Grote's *History of Greece*, vol. ii. p. 418, edition of 1862.)

If, however, Mr. Bosanquet should be right, and the eclipse was really that of B.C. 585, there will be no need of deranging on that account our entire scheme of Oriental chronology. The simple result will be that the battle must be transferred to the reign of *Astyages*, to which Cicero (*De Div.* i. 49), Pliny (*H. N.* ii. 12), and Eusebius (*Chron. Can.* ii. p. 331) assign it.

quarrel or collision, and thus giving to the nations within their borders a rest and a refreshment which they must have greatly needed and desired.

In one quarter only was this rest for a short time disturbed. During the troublous period the neighbouring country of Egypt, which had recovered its freedom,<sup>5</sup> and witnessed a revival of its ancient prosperity, under the Psamatik family, began once more to aspire to the possession of those provinces which, being divided off from the rest of the Asiatic continent by the impassable Syrian desert, seems politically to belong to Africa almost more than to Asia. Psamatik I., the Psammetichus of Herodotus, had commenced an aggressive war in this quarter, probably about the time that Assyria was suffering from the Median and then from the Scythian inroads. He had besieged for several years the strong Philistine town of Ashdod,<sup>6</sup> which commands the coast-route from Egypt to Palestine, and was at this time a most important city. Despite a resistance which would have wearied out any less pertinacious assailant, he had persevered in his attempt, and had finally succeeded in taking the place. He had thus obtained a firm footing in Syria; and his successor was able, starting from this vantage-ground, to overrun and conquer the whole territory. About the year B.C. 608, Neco, son of Psamatik I., having recently ascended the throne, invaded Palestine with a large army, met and defeated Josiah,<sup>7</sup> king of Judah, near Megiddo in the great plain of Esdraelon, and, pressing forward through Syria to the Euphrates, attacked and took Carchemish, the strong city which guarded the ordinary passage of the river. Idumea, Palestine, Phœnicia, and Syria submitted to him, and for three years he remained in undisturbed possession of his conquest.<sup>8</sup> Then, however, the Babylonians, who had received these provinces at the division of the Assyrian Empire, began

<sup>5</sup> Psammetichus probably became an independent king about B.C. 647, at the time of the revolt of Sâil-Mugina. He was previously governor under Assyria. (See above, p. 203.)

<sup>6</sup> Herodotus, who is the authority for this siege, says that it lasted 29 years (ii. 157), which is most improbable.

Such a story, however, would not have arisen unless the siege had been one of unusual length.

<sup>7</sup> 2 Kings xxiii. 29; 2 Chr. xxxv. 20-23. Compare Herod. ii. 159.

<sup>8</sup> 2 Kings xxiv. 7; Berosus ap. Joseph. *Ant. Jud.* x. 11.

to bestir themselves. Nebuchadnezzar marched to Carchemish, defeated the army of Neco, recovered all the territory to the border of Egypt, and even ravaged a portion of that country.<sup>9</sup> It is probable that in this expedition he was assisted by the Medes. At any rate, seven or eight years afterwards, when the intrigues of Egypt had again created disturbances in this quarter, and Jehoiakim, the Jewish king, broke into open insurrection, the Median monarch sent a contingent,<sup>10</sup> which accompanied Nebuchadnezzar into Judæa, and assisted him to establish his power firmly in South-Western Asia.

This is the last act that we can ascribe to the great Median king. He can scarcely have been much less than seventy years old at this time; and his life was prolonged at the utmost three years longer.<sup>11</sup> According to Herodotus, he died B.C. 593, after a reign of exactly forty years,<sup>12</sup> leaving his crown to his son Astyages, whose marriage with a Lydian princess was above related.

We have no sufficient materials from which to draw out a complete character of Cyaxares. He appears to have possessed great ambition, considerable military ability, and a rare tenacity of purpose, which gained him his chief successes. At the same time he was not wanting in good sense, and could bring himself to withdraw from an enterprise, when he had misjudged the fitting time for it, or greatly miscalculated its difficulties. He was faithful to his friends, but thought treachery allowable towards his enemies. He knew how to conquer, but not how to organise, an empire; and, if we except his establishment of Magism as the religion of the state, we may say that he did nothing to give permanency to the monarchy which he founded. He was a conqueror altogether after the Asiatic model, able to wield the sword, but not to guide the pen, to

<sup>9</sup> Jerem. xlv. 2-26.

<sup>10</sup> So Polyhistor related (Fr. 24). Like Ctesias, he called the Median monarch Astibares.

<sup>11</sup> We cannot suppose Cyaxares to have been much less than thirty years old at his accession — especially if he had previously led into Media a band of emigrants from the Bactrian country.

(See above, p. 383.) If he ascended the throne B.C. 633, which is the date of Herodotus, he would consequently be about sixty-seven in B.C. 597, the date of Jehoiakim's captivity.

<sup>12</sup> Herod. i. 106. This number is confirmed by Ctesias (ap. Diod. Sic. ii. 34; § 1).

subdue his contemporaries to his will by his personal ascendancy over them, but not to influence posterity by the establishment of a kingdom, or of institutions, on deep and stable foundations. The Empire, which owed to him its foundation, was the most shortlived of all the great Oriental monarchies, having begun and ended within the narrow space of three score and ten years<sup>1</sup> — the natural lifetime of an individual.

Astyages, who succeeded to the Median throne about B.C. 593,<sup>2</sup> had neither his father's enterprise nor his ability. Born to an Empire, and bred up in all the luxury of an Oriental Court, he seems to have been quite content with the lot which fortune appeared to have assigned him, and to have coveted no grander position. Tradition says that he was remarkably handsome,<sup>3</sup> cautious,<sup>4</sup> and of an easy and generous temper.<sup>5</sup> Although the anecdotes related of his mode of life at Ecbatana by Herodotus, Xenophon, and Nicolas of Damascus, seem to be for the most part apocryphal, and at any rate come to us upon authority too weak to entitle them to a place in history, we may perhaps gather from the concurrent descriptions of these three writers something of the general character of the Court over which he presided. Its leading features do not seem to have differed greatly from those of the Court of Assyria. The monarch lived secluded, and could only be seen by those who asked and obtained an audience.<sup>6</sup> He was surrounded by guards and eunuchs, the latter of whom held most of the offices near the royal person.<sup>7</sup> The Court was magnificent in its apparel, in its banquets, and in the number and organisation of its attendants. The courtiers wore long flowing robes of many different colours, amongst which red and

<sup>1</sup> The real "Empire" must date, the former point certainly, on the not from the accession of Cyaxares, latter probably, he followed the suspicious authority of Ctesias. which was B.C. 625 at the earliest. From this to B.C. 558 — the first year of Cyrus — is 67 years.

<sup>2</sup> Eusebius makes Astyages ascend the throne B.C. 597; but he obtains this date by assigning to Cyrus one more year, and to Astyages three more years, than Herodotus gives them. On

<sup>3</sup> Xen. *Cyrop.* i. 3, § 2.

<sup>4</sup> *Æschyl. Pers.* 763. φρίδες γὰρ αὐτοῦ θυμὸν ψακαστρόφουν.

<sup>5</sup> Γενναϊότατος. Nic. Dam. Fr. 66, p. 398.

<sup>6</sup> Herod. i. 99; Xen. *Cyrop.* i. 3, § 8.

<sup>7</sup> Nic. Dam. Fr. 66, pp. 398 and 402.

purple predominated,<sup>8</sup> and adorned their necks with chains or collars of gold, and their wrists with bracelets of the same precious metal.<sup>9</sup> Even the horses on which they rode had sometimes golden bits to their bridles.<sup>10</sup> One officer of the Court was especially called "the King's Eye;"<sup>11</sup> another had the privilege of introducing strangers to him;<sup>12</sup> a third was his cupbearer;<sup>13</sup> a fourth his messenger.<sup>14</sup> Guards, torch-bearers, serving-men, ushers, and sweepers, were among the orders into which the lower sort of attendants were divided;<sup>15</sup> while among the courtiers of the highest rank was a privileged class known as "the King's table-companions" (ὁμοτράπεζοι). The chief pastime in which the Court indulged was hunting. Generally this took place in a park or "paradise" near the capital;<sup>16</sup> but sometimes the King and Court went out on a grand hunt into the open country, where lions, leopards, bears, wild boars, wild asses, antelopes, stags, and wild sheep abounded, and, when the beasts had been driven by beaters into a confined space, dispatched them with arrows and javelins.<sup>17</sup>

Prominent at the Court, according to Herodotus,<sup>18</sup> was the priestly caste of the Magi. Held in the highest honour by both King and people, they were in constant attendance, ready to expound omens or dreams, and to give their advice on all matters of state policy. The religious ceremonial was, as a matter of course, under their charge; and it is probable that high state offices were often conferred upon them. Of all classes of the people they were the only one that could feel they had a real influence over the monarch, and might claim to share in his sovereignty.<sup>19</sup>

The long reign of Astyages seems to have been almost un-

<sup>8</sup> Xen. *Cyrop.* viii. 3, § 3.

<sup>9</sup> Ibid. i. 3, § 2; ii. 4, § 6, &c.

<sup>10</sup> Ibid. i. 3, § 3.

<sup>11</sup> Ὁφθαλμὸς βασιλέως. Herod. i. 114.

<sup>12</sup> Xen. *Cyrop.* i. 3, § 8. ὁ . . . τιμὴν ἔχων προσάγειν τοὺς δεομένους Ἀστυάγουσ καὶ ἀποκωλύειν οὓς μὴ καιρὸς αὐτῷ δοκοῖν εἶναι προσάγειν. Compare Nic. Dam. p. 402. Δὶ εὐνούχου ἑρόμενος τὴν εἰσοδον.

<sup>13</sup> Οἰνοχόος. Nic. Dam. p. 398; Xen. *Cyrop.* i. 8. c.

<sup>14</sup> Herod. i. 114.

<sup>15</sup> Δουρφόροι, λυχνόφοροι, θεράποντες, ῥαβδοφόροι, and καλλύνοντες — the last divided into cleaners of the Palace and cleaners of the courts outside the Palace. Nic. Dam. i. s. c.; Dino, Fr. 7.

<sup>16</sup> Xen. *Cyrop.* i. 4, §§ 5 and 11.

<sup>17</sup> Ibid. i. 4, § 7.

<sup>18</sup> Herod. i. 107, 108, and 120.

<sup>19</sup> Herodotus makes the Magi say to Astyages — Σέο ἐνεστέωτος βασιλῆος καὶ ἄρχομεν τό μέρος, καὶ τιμὰς πρὸς σέο μεγάλας ἔχομεν. (i. 120.)

disturbed, until just before its close, by wars or rebellions. Eusebius indeed relates that he, and not Cyaxares, carried on the great Lydian contest;<sup>20</sup> and Moses of Chorêné declares that he was engaged in a long struggle with Tigranes, an Armenian king.<sup>21</sup> But little credit can be attached to these statements, the former of which contradicts Herodotus, while the latter is wholly unsupported by any other writer. The character which Cyaxares bore among the Greeks was evidently that of an unwarlike king.<sup>22</sup> If he had really carried his arms into the heart of Asia Minor, and threatened the whole of that extensive region with subjugation, we can scarcely suppose that he would have been considered so peaceful a ruler. Neither is it easy to imagine that in that case no classical writer — not even Ctesias — would have taxed Herodotus with an error that must have been so flagrant. With respect to the war with Tigranes, it is just possible that it may have a basis of truth; — there may have been a revolt of Armenia from Astyages under a certain Tigranes, followed by an attempt at subjugation. But the slender authority of Moses is insufficient to establish the truth of his story, which is internally improbable, and quite incompatible with the narrative of Herodotus.<sup>23</sup>

There are some grounds for believing<sup>24</sup> that in one direction Astyages succeeded in slightly extending the limits of his empire. But he owed his success to prudent management, and not to courage or military skill. On his north-eastern frontier, occupying the low country now known as Talish and Ghilan, was

<sup>20</sup> *Chron. Can.* ii. p. 331 ed. Mai. This ascription of the war to Astyages is evidently connected with a belief that the eclipse of Thales was that of B.C. 583.

<sup>21</sup> Mos. Chor. *Hist. Armen.* i. 23-28.

<sup>22</sup> This is implied in the picture drawn by Herodotus (i. 107-128), and in the brief character given by Æschylus (see above, p. 415. note<sup>4</sup>). It is expressly stated by Aristotle, who says — Κύρος Ἀστυάγῃ ἐπιτίθεται καὶ τοῦ βίου καταφρονῶν, καὶ τῆς δυνάμεως διὰ τὸ τὴν μὲν δύναμιν ἐξηρηκέναι, αὐτὸν δὲ τρυφᾶν. (*Pol.* v. 8, § 15.)

<sup>23</sup> Moses makes Cyrus an independent prince during the reign of Astyages. He and Tigranes are in close alliance. Tigranes, and not Cyrus, attacks and defeats Astyages and kills him. After this Cyrus assists Tigranes to conquer Media and Persia, which become parts of the Armenian king's dominions. Cyrus sinks into insignificance in the narrative of Moses.

<sup>24</sup> The Cadusian story is told by Nicolas of Damascus (pp. 399, 400), who (it may be suspected) followed Dino, the father of Clitarchus, a writer of fair authority.



a powerful tribe called Cadusians, probably of Arian origin,<sup>26</sup> which had hitherto maintained its independence. This would not be surprising, if we could accept the statement of Diodorus that they were able to bring into the field 200,000 men.<sup>28</sup> But this account, which probably came from Ctesias, and is wholly without corroboration from other writers, has the air of a gross exaggeration; and we may conclude from the general tenor of ancient history that the Cadusians were more indebted to the strength of their country, than to either their numbers or their prowess, for the freedom and independence which they were still enjoying. It seems that they were at this time under the government of a certain king, or chief, named Apherne, or Onaphernes.<sup>27</sup> This ruler was, it appears, doubtful of his position, and, thinking it could not be long maintained, made overtures of surrender to Astyages, which were gladly entertained by that monarch. A secret treaty was concluded to the satisfaction of both parties; and the Cadusians, it would seem, passed under the Medes by this arrangement, without any hostile struggle, though armed resistance on the part of the people, who were ignorant of the intentions of their chieftain, was for some time apprehended.

The domestic relations of Astyages seem to have been unhappy. His "mariage de convenance" with the Lydian princess Aryênis, if not wholly unfruitful, at any rate brought him no son;<sup>1</sup> and, as he grew to old age, the absence of such a support to the throne must have been felt very sensibly, and have caused great uneasiness. The want of an heir perhaps

<sup>26</sup> The name, Apherne or Onaphernes, is sufficient evidence of this.

<sup>28</sup> Diod. Sic. ii. 33, § 3.

<sup>27</sup> The Escorial MS. from which this fragment of Nicolas has been recovered gives both these forms. Each of them occurs once.

<sup>1</sup> Herodotus declares this in the most express terms. Astyages, he says, was ἀναις ἱππεύς γόνου (i. 109); so also Justin (i. 4); Ctesias, on the contrary, gives Astyages a son, Parmises (*Pers. Exe.* § 3), and Xenophon (*Cyrop.* i. 5, § 2) a son, Cyaxares. Moses of Chorêné

is still more liberal, and makes him have several sons by his wife Anusia, who all settle in Armenia. (*Hist. Arm.* i. 29.) Here, as in so many other instances, the monuments confirm Herodotus. For when a pretender to the Median throne starts up in the reign of Darius, who wishes to rest his claim on descent from the Median royal house, he does not venture to put himself forward as the son, or even as the descendant, of Astyages, but goes back a generation, and says that he is "of the race of Cyaxares." (*Beh. Inscr.* col. ii. par. 5, § 4.)

led him to contract those other marriages of which we hear in the Armenian History of Moses — one with a certain Anusia, of whom nothing more is known ; and another with an Armenian princess, the loveliest of her sex, Tigrania, sister of the Armenian king, Tigranes.<sup>2</sup> The blessing of male offspring was still, however, denied him ; and it is even doubtful whether he was really the father of any daughter or daughters. Herodotus<sup>3</sup> and Xenophon<sup>4</sup> indeed give him a daughter Mandané, whom they make the mother of Cyrus ; and Ctesias, who denied in the most positive terms the truth of this statement,<sup>5</sup> gave him a daughter, Amytis, whom he made the wife, first of Spitaces the Mede,<sup>6</sup> and afterwards of Cyrus the Persian. But these stories, which seem intended to gratify the vanity of the Persians by tracing the descent of their kings to the great Median conqueror, while at the same time they flattered the Medes by showing them that the issue of their old monarchs was still seated on the Arian throne, are entitled to little more credit than the narrative of the Shah-nameh, which declares that Iskander (Alexander) was the son of Darab (Darius) and of a daughter of Failakus (Philip of Macedon).<sup>7</sup> When an Oriental crown passes from one dynasty to another, however foreign and unconnected, the natives are wont to invent a relationship between the two houses,<sup>8</sup> which both parties are commonly quite ready to accept ; as it suits the rising house to be provided with a royal ancestry, and it pleases the fallen one and its partisans to see in the occupants of the throne a branch of the ancient stock — a continuation of the legitimate family. Tales therefore of the above-mentioned kind are, historically speaking, valueless ; and it must remain uncertain whether the second Median monarch had any child at all, either male or female.

<sup>2</sup> Mos. Chor. Hist. Armen. i. 27 and 29.

<sup>3</sup> Herod. i. 107.

<sup>4</sup> Xen. Cyrop. i. 2, § 1.

<sup>5</sup> Ctes. Pers. Exc. § 2.

<sup>6</sup> Ibid. Compare Nic. Dam. Fr. 66, p. 399.

<sup>7</sup> See Atkinson's *Shah-nameh*, pp. 493, 494.

<sup>8</sup> See the attempts made to prove that Cambyzes was the son of an Egyptian princess (Herod. iii. 2), and other still more wonderful attempts to show that Alexander the Great was the son of Nectanebus. (Mos. Chor. Hist. Armen. ii. 12 ; Syncell. Chronograph. p. 487, B.)

Old age was now creeping upon the sonless king. If he was sixteen or seventeen years old at the time of his contract of marriage with Aryênis, he must have been nearly seventy in B.C. 558, when the revolt occurred which terminated both his reign and his kingdom. It appears that the Persian branch of the Arian race, which had made itself a home in the country lying south and south-east of Media, between the 32nd parallel and the Persian Gulf, had acknowledged some subjection to the Median kings during the time of their greatness. Dwelling in their rugged mountains and high upland plains, they had however maintained the simplicity of their primitive manners, and had mixed but little with the Medes, being governed by their own native princes of the Achæmenian house, the descendants, real or supposed, of a certain Achæmenes.<sup>9</sup> These princes were connected by marriage with the Cappadocian kings;<sup>10</sup> and their house was regarded as one of the noblest in Western Asia. What the exact terms were upon which they stood with the Median monarch is uncertain. Herodotus regards Persia as absorbed into Media at this time, and the Achæmenidæ as merely a good Persian family;<sup>11</sup> Nicolas of Damascus makes Persia a Median satrapy, of which Atradata, the father of Cyrus, is satrap,<sup>12</sup> Xenophon, on the contrary, not only gives the Achæmenidæ their royal rank,<sup>13</sup> but seems to consider Persia as completely independent of Media;<sup>14</sup> Moses of Chorêné takes the same view, regarding Cyrus as a great and powerful sovereign during the reign of Astyages.<sup>15</sup> The native records lean towards the view of Xenophon and Moses. Darius declares that eight of his race had been kings before himself, and makes no difference between his own royalty and theirs.<sup>16</sup> Cyrus calls himself in one inscription "the son of Cambyses, the powerful king."<sup>17</sup> It is certain therefore that Persia con-

<sup>9</sup> Herod. iii. 75, vii. 11; *Behist. Inscr.* col. i. par. 2, § 6.

<sup>10</sup> Diod. Sic. ap. Phot. *Bibliothec.* p. 1158. <sup>11</sup> Herod. i. 107 Οἰκίη Ἀγαθή.

<sup>12</sup> Nic. Dam. Fr. 66, p. 399.

<sup>13</sup> Xen. *Cyrop.* i. 2, § 1.

<sup>14</sup> Ibid. i. 5, §§ 3-5.

<sup>15</sup> Mos. Chor. *Hist. Arm.* i. 24, 25.

<sup>16</sup> See the *Behistun Inscription*, col. i. par. 4, § 2. "There are eight of my race who have been kings before me. I am the ninth."

<sup>17</sup> This inscription has been found on a brick brought from Senkerah. See the author's *Herodotus*, vol. i. p. 200, note <sup>9</sup> (2nd edition).

tinued to be ruled by her own native monarchs during the whole of the Median period, and that Cyrus led the attack upon Astyages as hereditary Persian king. The Persian records seem rather to imply actual independence of Media; but, as national vanity would prompt to dissimulation in such a case, we may perhaps accord so much weight to the statement of Herodotus, and to the general tradition on the subject,<sup>18</sup> as to believe that there was some kind of acknowledgment of Median supremacy on the part of the Persian kings anterior to Cyrus, though the acknowledgment may have been not much more than a formality, and have imposed no onerous obligations. The residence of Cyrus at the Median Court, which is asserted in almost every narrative of his life before he became king, inexplicable if Persia was independent,<sup>19</sup> becomes thoroughly intelligible on the supposition that she was a great Median feudatory. In such cases the residence of the Crown Prince at the capital of the suzerain is constantly desired, or even required by the superior Power,<sup>20</sup> which sees in the presence of the son and heir the best security against disaffection or rebellion on the part of the father.

It appears that Cyrus, while at the Median Court, observing the unwarlike temper of the existing generation of Medes, who had not seen any actual service, and despising the personal character of the monarch,<sup>21</sup> who led a luxurious life, chiefly at Ecbatana, amid eunuchs, concubines, and dancing-girls,<sup>1</sup> resolved on raising the standard of rebellion, and seeking at any rate to free his own country. It may be suspected that the Persian prince was not actuated solely by political motives. To earnest Zoroastrians, such as the Achæmenians are shown to have been by their inscriptions, the yoke of a Power which had so greatly corrupted, if it had not wholly laid aside, the worship of Ormazd,<sup>2</sup> must have been extremely distasteful;

<sup>18</sup> Dino, Fr. 7; Nic. Dam. Fr. 66; Justin, i. 4-6; &c.

<sup>19</sup> Xenophon's notion of a voluntary visit is quite contrary to all experience, in the East or elsewhere.

<sup>20</sup> Compare the policy of Rome as shown with respect to the Parthian and

Armenian princes (Tacit. *Ann.* ii. 1-3), and to the Herods (Joseph. *Ant. Jud.* xvi. 1, § 2; &c.).

<sup>21</sup> Arist. *Pol.* v. 8, § 15.

<sup>1</sup> Ὁρχηστρίδας. Nic. Dam. p. 403.

<sup>2</sup> See above, pp. 348, 349.

and Cyrus may have wished by his rebellion as much to vindicate the honour of his religion<sup>3</sup> as to obtain a loftier position for his nation. If the Magi occupied really the position at the Median Court which Herodotus assigns to them — if they “were held in high honour by the king, and shared in his sovereignty”<sup>4</sup> — if the priest-ridden monarch was perpetually dreaming and perpetually referring his dreams to the Magian seers for exposition, and then guiding his actions by the advice they tendered him,<sup>5</sup> the religious zeal of the young Zoroastrian may very naturally have been aroused, and the contest into which he plunged may have been, in his eyes, not so much a national struggle as a crusade against the infidels. It will be found hereafter that religious fervour animated the Persians in most of those wars by which they spread their dominion. We may suspect, therefore, though it must be admitted we cannot prove, that a religious motive was among those which led them to make their first efforts after independence.

According to the account of the struggle<sup>6</sup> which is most circumstantial, and on the whole most probable, the first difficulty which the would-be rebel had to meet and vanquish was that of quitting the Court. Alleging that his father was in weak health, and required his care, he requested leave of absence for a short time; but his petition was refused on the flattering ground that the Great King was too much attached to him to lose sight of him even for a day.<sup>7</sup> A second application, however, made through a favourite eunuch after a certain interval of time, was more successful; Cyrus received

<sup>3</sup> The religious ground is just touched in one or two places by Nicolas. He makes Cyrus assign as a reason for his request to leave Ecbatana a desire to offer sacrifice for the king, which apparently he cannot do anywhere but in his own country (p. 402). And he makes him claim that the gods have stirred him up to undertake his enterprise (p. 404).

<sup>4</sup> Herod. i. 120. See above, p. 416, note 19.

<sup>5</sup> Herod. i. 107, 108, 121.

<sup>6</sup> The story told by Herodotus is quite undeserving of credit. It is a mere

sequel to the romantic tale of Mandané, Cyno, and the Harpagus, which he prefers to three other quite different stories concerning the early life of Cyrus (i. 96). The narrative of Nicolas (Fr. 66), which is followed in the text, does not come to us on very high authority; but it is graphic, thoroughly Oriental, and in its main features probable. I suspect that its chief incidents came not from Ctesias, but from Dino. (Compare Dino, Fr. 7.)

<sup>7</sup> Compare the behaviour of Darius Hystaspis towards Histæus (Herod. v. 24).

permission to absent himself from Court for the next five months; whereupon, with a few attendants, he left Ecbatana by night, and took the road leading to his native country.

The next evening Astyages, enjoying himself as usual over his wine, surrounded by a crowd of his concubines, singing-girls, and dancing-girls, called on one of them for a song. The girl took her lyre and sang as follows:<sup>8</sup> — “The lion had the wild-boar in his power, but let him depart to his own lair; in his lair he will wax in strength, and will cause the lion a world of toil; till at length, although the weaker, he will overcome the stronger.” The words of the song greatly disquieted the king, who had been already made aware that a Chaldæan prophecy designated Cyrus as future king of the Persians.<sup>9</sup> Repenting of the indulgence which he had granted him, Astyages forthwith summoned an officer into his presence, and ordered him to take a body of horsemen, pursue the Persian prince, and bring him back, either alive or dead. The officer obeyed, overtook Cyrus, and announced his errand; upon which Cyrus expressed his perfect willingness to return, but proposed that, as it was late, they should defer their start till the next day. The Medes consenting, Cyrus feasted them, and succeeded in making them all drunk; then mounting his horse, he rode off at full speed with his attendants, and reached a Persian outpost, where he had arranged with his father that he should find a body of Persian troops. When the Medes had slept off their drunkenness, and found their prisoner gone, they pursued, and again overtaking Cyrus, who was now at the head of an armed force, engaged him. They were, however, defeated with great loss, and forced to retreat, while Cyrus, having beaten them off, made good his escape into Persia.

When Astyages heard what had happened, he was greatly

<sup>8</sup> Dino (l. s. c.) made the singer of the song a certain Angares, a professional minstrel. The words of the song, according to him, were the following: — “A mighty beast, fiercer than any wild boar, has been let depart to the marshes; who, if he gain the lordship of the

country round, will in a little while be a match for many hunters.”

<sup>9</sup> It is not unlikely that this “Chaldæan prophecy” had for its basis the declaration of Isaiah (xlv. 1), which would have become known to the Chaldæans by their intercourse with the Jews during the Captivity.

vexed; and, smiting his thigh,<sup>10</sup> he exclaimed, "Ah! fool, thou knewest well that it boots not to heap favours on the vile; yet didst thou suffer thyself to be gulled by smooth words; and so thou hast brought upon thyself this mischief. But even now he shall not get off scotfree." And instantly he sent for his generals, and commanded them to collect his host, and proceed to reduce Persia to obedience. Three thousand chariots, two hundred thousand horse, and a million footmen (!) were soon brought together;<sup>11</sup> and with these Astyages in person invaded the revolted province, and engaged the army which Cyrus and his father Cambyses<sup>12</sup> had collected for defence. This consisted of a hundred chariots,<sup>13</sup> fifty thousand horsemen, and three hundred thousand light-armed foot,<sup>14</sup> who were drawn up in front of a fortified town near the frontier. The first day's battle was long and bloody, terminating without any decisive advantage to either side; but on the second day Astyages, making skilful use of his superior numbers, gained a great victory. Having detached one hundred thousand men with orders to make a circuit and get into the rear of the town, he renewed the attack; and when the Persians were all intent on the battle in their front, the troops detached fell on the city and took it, almost before its defenders were aware. Cambyses, who commanded in the town, was mortally wounded, and fell into the enemy's hands. The army in the field, finding itself between two fires, broke and fled towards the interior, bent on defending Pasargadæ, the capital. Meanwhile Astyages, having given Cambyses honourable burial, pressed on in pursuit.

The country had now become rugged and difficult. Between Pasargadæ and the place where the two days' battle was fought,

<sup>10</sup> Πάσας τὸν μηρὸν. This energetic action marks well the inability of the Oriental monarchs to command their feelings. (Compare Herod. iii. 64; vii. 212.)

<sup>11</sup> The numbers here are excessive. To bring them within the range of probability, we should strike off a cypher from each.

<sup>12</sup> In the narrative of Nicolas, the father of Cyrus is called Atradata; but,

as this is certainly incorrect, the name has been altered in the text.

<sup>13</sup> Scythed chariots (ἀρματα δρεναρηνόρα), according to Nicolas; which is quite possible, as in later times they were certainly used by the Persians (Xen. *Cyrop.* vi. 1, § 30; viii. 8, § 24).

<sup>14</sup> Peltasts, according to Nicolas: that is, troops whose equipment was halfway between the ordinary heavy and light armed.

lay a barrier of lofty hills, only penetrated by a single narrow pass. On either side were two smooth surfaces of rock, while the mountain towered above, lofty and precipitous. The pass was guarded by ten thousand Persians. Recognising the impossibility of forcing it, Astyages again detached a body of troops, who marched along the foot of the range till they found a place where it could be ascended, when they climbed it and seized the heights directly over the defile. The Persians upon this had to evacuate their strong position, and to retire to a lower range of hills very near to Pasargadæ. Here again there was a two days' fight. On the first day all the efforts of the Medes to ascend the range (which, though low, was steep, and covered with thickets of wild olive<sup>1</sup>) were fruitless. Their enemy met them, not merely with the ordinary weapons, but with great masses of stone,<sup>2</sup> which they hurled down with crushing force upon their ascending columns. On the second day, however, the resistance was weaker or less effective. Astyages had placed at the foot of the range, below his attacking columns, a body of troops with orders to kill all who refused to ascend, or who, having ascended, attempted to quit the heights and return to the valley.<sup>3</sup> Thus compelled to advance, his men fought with desperation, and drove the Persians before them up the slopes of the hill to its very summit, where the women and children had been placed for the sake of security. There, however, the tide of success turned. The taunts and upbraidings of their mothers and wives restored the courage of the Persians; and, turning upon their foe, they made a sudden furious charge. The Medes, astonished and overborne, were driven headlong down the hill, and fell into such confusion that the Persians slew sixty thousand of them.

Still Astyages did not desist from his attack. The authority whom we have been following here to a great extent fails us, and we have only a few scattered notices<sup>4</sup> from which to re-

<sup>1</sup> Κρηνοὶ δὲ πάντῃ καὶ δρυμῶνες ἀγριέλαιοί τε συνεχεῖς ἦσαν. (Nic. Dam. p. 405.)

<sup>2</sup> Χερμάσι. (Ibid.)

<sup>3</sup> Nic. Dam. l. s. c. Compare Justin, l. 6; Plut. *De Virt. Mulier.* p. 246, A.

<sup>4</sup> As Strabo, xv. 3, § 8; Diod. Sic. ix. 24, § 2; and Herod. i. 128. There is also a paragraph of Nicolas, after the *lacuna*, which is important (p. 406).



construct the closing scenes of the war. It would seem from these that Astyages still maintained the offensive, and that there was a fifth battle in the immediate neighbourhood of Pasargadæ, wherein he was completely defeated by Cyrus, who routed the Median army, and pressing upon them in their flight, took their camp. All the insignia of Median royalty fell into his hands; and, amid the acclamations of his army, he assumed them, and was saluted by his soldiers "King of Media and Persia." Meanwhile Astyages had sought for safety in flight; the greater part of his army had dispersed, and he was left with only a few friends, who still adhered to his fortunes.<sup>5</sup> Could he have reached Ecbatana, he might have greatly prolonged the struggle; but his enemy pressed him close; and, being compelled to an engagement, he not only suffered a complete defeat, but was made prisoner by his fortunate adversary.<sup>6</sup>

By this capture the Median monarchy was brought abruptly to an end. Astyages had no son to take his place and continue the struggle. Even had it been otherwise, the capture of the monarch would probably have involved his people's submission. In the East the king is so identified with his kingdom that the possession of the royal person is regarded as conveying to the possessor all regal rights. Cyrus, apparently, had no need even to besiege Ecbatana; the whole Median state, together with its dependencies, at once submitted to him, on learning what had happened. This ready submission was no doubt partly owing to the general recognition of a close connection between Media and Persia, which made the transfer of empire from the one to the other but slightly galling to the subjected power, and a matter of complete indifference to the dependent countries. Except in so far as religion was concerned, the change from one Iranic race to the other would make scarcely a perceptible

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<sup>5</sup> If we may credit Diodorus, Astyages laid the blame of his defeat on his generals, whom he cruelly punished with death. This ill-judged severity produced great discontent among the troops, who threatened to mutiny in consequence. (Diod. Sic. l. s. c.)

<sup>6</sup> Herodotus, Nicolas, and Justin all

agree that Astyages was made prisoner after battle. Ctesias said that he was taken in Ecbatana, where he had attempted to conceal himself in the palace (*Persic. Exc.* § 2). Moses made him fall in battle with Tigranes the Armenian king (*Hist. Armen.* l. 28).

difference to the subjects of either kingdom. The law of the state would still be "the law of the Medes and Persians."<sup>7</sup> Official employments would be open to the people of both countries.<sup>8</sup> Even the fame and glory of empire would attach, in the minds of men, almost as much to the one nation as the other.<sup>9</sup> If Media descended from her pre-eminent rank, it was to occupy a station only a little below the highest, and one which left her a very distinct superiority over all the subject races.

If it be asked how Media, in her hour of peril, came to receive no assistance from the great Powers with which she had made such close alliances — Babylonia and Lydia <sup>10</sup> — the answer would seem to be that Lydia was too remote from the scene of strife to lend her effective aid, while circumstances had occurred in Babylonia to detach that state from her and render it unfriendly. The great king, Nebuchadnezzar, had he been on the throne, would undoubtedly have come to the assistance of his brother-in-law, when the fortune of war changed, and it became evident that his crown was in danger. But Nebuchadnezzar had died in B.C. 561, three years before the Persian revolt broke out. His son, Evil-Merodach, who would probably have maintained his father's alliances, had survived him but two years: he had been murdered in B.C. 559 by a brother-in-law, Nergal-shar-ezer or Neriglissar, who ascended the throne in that year and reigned till B.C. 555. This prince was consequently on the throne at the time of Astyages' need. As he had supplanted the house of Nebuchadnezzar, he would naturally be on bad terms with that monarch's Median connections; and we may suppose that he saw with pleasure the fall of a power to which pretenders from the Nebuchadnezzar family would have looked for support and countenance.

In conclusion, a few words may be said on the general char-

<sup>7</sup> Dan. vi. 8. Compare Esther, i. 19.

<sup>8</sup> On the high employments filled by Medes under the Persian Kings, see vol. iii. of this work, and compare Herod. i. 156, 162; vi. 94; vii. 88; Dan. ix. 1; *Beh. Inscr.* col. ii. par. 14, § 6; col. iv. par. 14, § 6.

<sup>9</sup> "Thy kingdom is divided and given to the Medes and Persians." Dan. v. 28. Compare the employment of the words ὁ Μῆδος, τὰ Μηδικά, μηδισμός, κ. τ. λ. by the Greek writers, where the reference is really to the Persians.

<sup>10</sup> See above, p. 412.

acter of the Median Empire, and the causes of its early extinction.

The Median Empire was in extent and fertility of territory equal if not superior to the Assyrian. It stretched from Rhages and the Carmanian desert on the east<sup>11</sup> to the river Halys upon the west, a distance of above twenty degrees, or about 1,300 miles. From north to south it was comparatively narrow, being confined between the Black Sea, the Caucasus, and the Caspian, on the one side, and the Euphrates and Persian Gulf on the other. Its greatest width, which was towards the east, was about nine, and its least, which was towards the west, was about four degrees. Its area was probably not much short of 500,000 square miles. Thus it was as large as Great Britain, France, Spain, and Portugal put together.

In fertility its various parts were very unequal. Portions of both Medias, of Persia, of Armenia, Iberia, and Cappadocia, were rich and productive; but in all these countries there was a large quantity of barren mountain, and in Media Magna and Persia there were tracts of desert. If we estimate the resources of Media from the data furnished by Herodotus in his account of the Persian revenue, and compare them with those of the Assyrian Empire, as indicated by the same document,<sup>12</sup> we shall find reason to conclude, that, except during the few years

<sup>11</sup> Some authorities, as Nicolas, extend the Median Empire much further eastward. According to this writer, not only Hyrcania and Parthia, but Bactria and Sacia (!), were provinces of the Empire governed by satraps, who submitted to the victorious Cyrus. But better authorities tell us that Cyrus had to reduce these countries. (Herod. i. 153; Ctesias, *Persic. Exc.* §§ 2 and 3.)

<sup>12</sup> According to Herodotus, Media itself furnished to Persia 450 talents, the Caspians and their neighbours in the Ghilan country 200, the Armenians 400, the Sapeirians or Iberians 200, the Moschi, Tibareni, and other tribes on the Black Sea, 300. Babylonia and Assyria furnished 1000 talents between them; we may suppose in about equal shares. Allowing 500 talents to Assyria,

this would give as the sum annually raised by the Persians from satrapies previously included in Media, 2050 talents. A further sum must be added for Cappadocia (included in Herodotus's third satrapy)—say 200 talents; and finally, something must be allowed for Persia, say 300 talents. We thus reach a total of 2550 talents.

The satrapies contained within the Assyrian Empire at its most flourishing period were the 4th (Cilicia), the 5th (Syria), half the 6th (Egypt, Cyrene, &c.), the 8th (Susiana), the 9th (Assyria and Babylonia), and a part (say half) of the 10th (Media). Cilicia gave 500 talents, Syria 350, Cissia 300, Assyria and Babylonia 1000; to which may be added for half Egypt 350, and for half Media 225—total 2725 talents.

when Egypt was a province of Assyria, the resources of the Third exceeded those of the Second Monarchy.<sup>1</sup>

The weakness of the Empire arose chiefly from its want of organisation. Nicolas of Damascus, indeed, in the long passage from which our account of the struggle between Cyrus and Astyages has been taken, represents the Median Empire as divided, like the Persian, into a number of *satrapies*;<sup>2</sup> but there is no real ground for believing that any such organisation was practised in Median times, or to doubt that Darius Hystaspis was the originator of the satrapial system.<sup>3</sup> The Median Empire, like the Assyrian,<sup>4</sup> was a congeries of kingdoms, each ruled by its own native prince, as is evident from the case of Persia, where Cambyses was not satrap, but monarch.<sup>5</sup> Such organisation as was attempted appears to have been clumsy in the extreme. The Medes (we are told) only claimed direct suzerainty over the nations immediately upon their borders; remoter tribes they placed under these, and looked to them to collect and remit the tribute of the outlying countries.<sup>6</sup> It is doubtful if they called on the subject nations for any contingents of troops. We never hear of their doing so. Probably, like the Assyrians,<sup>7</sup> they made their conquests with armies composed entirely of native soldiers, or of these combined with such forces as were sent to their aid by princes in alliance with them.

The weakness arising from this lack of organisation was increased by a corruption of manners, which caused the Medes speedily to decline in energy and warlike spirit. The conquest of a great and luxurious empire by a hardy and simple race is followed, almost of necessity, by a deterioration in the character of the conquerors, who lose the warlike virtues, and too often

<sup>1</sup> If we deduct from the sum total of 2725 talents the 350 allowed for half Egypt, there will remain 2375 talents — 175 less than the amount which accrued to Darius from the tribute of the Median provinces.

<sup>2</sup> Fr. 66, pp. 399 and 406.

<sup>3</sup> The "princes" appointed by Darius the Mede in Babylon (Dan. vi. 1) were not satraps, but either governors of petty

districts in Babylonia, or perhaps "councillors." (See verse 7.)

<sup>4</sup> See above, p. 235.

<sup>5</sup> If we can trust Moses, Tigranes was also "king" of Armenia.

<sup>6</sup> Such seems to be the meaning of a very obscure passage in Herodotus (i. 134, ad fin.). It may be doubted whether there is much truth in the statement.

<sup>7</sup> Compare above, p. 236, note 7.

do not replace them by the less splendid virtues of peace. This tendency, which is fixed in the nature of things, admits of being checked for a while, or rapidly developed, according to the policy and character of the monarchs who happen to occupy the throne. If the original conqueror is succeeded by two or three ambitious and energetic princes, who engage in important wars and labour to extend their dominions at the expense of their neighbours,<sup>8</sup> it will be some time before the degeneracy becomes marked. If, on the other hand, a prince of a quiet temper, self-indulgent, and studious of ease, come to the throne within a short time of the original conquests, the deterioration will be very rapid. In the present instance it happened that the immediate successor of the first conqueror was of a peaceful disposition, unambitious, and luxurious in his habits. During a reign which lasted at least thirty-five years he abstained almost wholly from military enterprises; and thus an entire generation of Medes grew up without seeing actual service, which alone makes the soldier. At the same time there was a general softening of manners. The luxury of the Court corrupted the nobles, who from hardy mountain chieftains, simple if not even savage in their dress and mode of life, became polite courtiers, magnificent in their apparel, choice in their diet, and averse to all unnecessary exertion. The example of the upper classes would tell on the lower, though not perhaps to any very large extent. The ordinary Mede, no doubt, lost something of his old daring and savagery; from disuse he became inexperienced in the management of arms; and he was thus no longer greatly to be dreaded as a soldier. But he was really not very much less brave, nor less capable of bearing hardships, than before;<sup>9</sup> and it only required a few years of training to enable him to recover himself and to be once more as good a soldier as any in Asia.

But in the affairs of nations, as in those of men, negligence often proves fatal before it can be repaired. Cyrus saw his opportunity, pressed his advantage, and established the suprem-

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<sup>8</sup> Compare the case of Persia under Cambyzes, Darius, and Xerxes. | the Persian conquest, see Herod. viii. 113, and Diod. Sic. xi. 6, § 3; and compare above, pp. 309, 310.

<sup>9</sup> On the valour of the Medes after

acy of his nation, before the unhappy effects of Astyages' peace policy could be removed. He knew that his own Persians possessed the military spirit in its fullest vigour; he felt that he himself had all the qualities of a successful leader; he may have had faith in his cause, which he would view as the cause of Ormazd against Ahriman,<sup>10</sup> of pure religion against a corrupt and debasing nature-worship. His revolt was sudden, unexpected, and well-timed. He waited till Astyages was advanced in years, and so disqualified for command; till the veterans of Cyaxares were almost all in their graves; and till the Babylonian throne was occupied by a king who was not likely to afford Astyages any aid. He may not at first have aspired to do more than establish the independence of his own country. But when the opportunity of effecting a transfer of empire offered itself, he seized it promptly; rapidly repeating his blows, and allowing his enemy no time to recover and renew the struggle. The substitution of Persia for Media as the ruling power in Western Asia was due less to general causes than to the personal character of two men. Had Astyages been a prince of ordinary vigour, the military training of the Medes would have been kept up; and in that case they might easily have held their own against all comers. Had their training been kept up, or had Cyrus possessed no more than ordinary ambition and ability, either he would not have thought of revolting, or he would have revolted unsuccessfully. The fall of the Median Empire was due immediately to the genius of the Persian Prince; but its ruin was prepared, and its destruction was really caused, by the shortsightedness of the Median Monarch.

<sup>10</sup> See Nic. Dam. Fr. 66; pp. 404 and 406. Cyrus is represented as claiming a divine sanction to his attempt; and Astyages is regarded as having been deprived of his kingdom by a god (*ὁ θεὸς τοῦ*—query, Ormazd?)

## APPENDIX.

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### NOTE A (p. 383).

#### TRANSLATION OF THE FIRST FARGARD OF THE VENDIDAD.

§ 1. AHURA-MAZDA said to the holy Zoroaster :— “I made, most holy Zoroaster, into a delicious spot what was previously quite uninhabitable. For had not I, most holy Zoroaster, converted into a delicious spot what was previously quite uninhabitable, all earthly life would have been poured forth after Aryanem Vaejo.

[§ 2. “Into a charming region (I converted) one which did not enjoy prosperity, the second (region) into the first: in opposition to it is great destruction of the living cultivation.]

§ 3. “As the first best of regions and countries, I, who am Ahura-mazda, created Aryanem Vaejo of good capability. Thereupon, in opposition to it, Anglo-mainyus, the Death-dealing, created a mighty serpent, and snow, the work of the Devas.

§ 4. “Ten months of winter are there—two months of summer— [seven months of summer are there—five months of winter; the latter are cold as to water, cold as to earth, cold as to trees; there is mid-winter, the heart of winter; there all around falls deep snow; there is the direst of plagues.]

§ 5. “As the second best of regions and countries, I, who am Ahura-mazda, created Gâu, in which Sughda is situated. Thereupon, in opposition to it, Anglo-mainyus, the Death-dealing, created pestilence, which is fatal to cattle, both small and great.

§ 6. “As the third best of regions and countries, I, Ahura-mazda, created the strong, the pious Mouru. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, war and pillage.

§ 7. “As the fourth best of regions and countries, I, Ahura-mazda, created the happy Bakhdi with the tall banner. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, buzzing insects and poisonous plants.

§ 8. “As the fifth best of regions and countries, I, Ahura-mazda,

created Nisai [between Mouru and Bakhdi]. Thereupon Anglo-mainyus created, in opposition to it, the curse of unbelief.

§ 9. "As the sixth best of regions and countries, I, Ahura-mazda, created Haroyu, the dispenser of water. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, hail and poverty.

§ 10. "As the seventh best of regions and countries, I, Ahura-mazda, created Vaekeret, in which Duzhaka is situated. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, the fairy Khnathaiti, who attached herself to Keresaspa.

§ 11. "As the eighth best of regions and countries, I, Ahura-mazda, created Urva, abounding in rivers. Thereupon Anglo-mainyus created, in opposition to it, the curse of devastation.

§ 12. "As the ninth best of regions and countries, I, Ahura-mazda, created Khnenta, in which Vehrkana is situated. Thereupon Anglo-mainyus created, in opposition to it, the evil of inexpiable sins, pæderastism.

§ 13. "As the tenth best of regions and countries, I, Ahura-mazda, created the happy Haraqaiti. Thereupon Anglo-mainyus, the Death-dealing, created the evil of inexpiable acts, preserving the dead.

§ 14. "As the eleventh best of regions and countries, I, Ahura-mazda, created Haetumat, the wealthy and brilliant. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, the sin of witchcraft.

[§ 15. "And he, Anglo-mainyus, is endowed with various powers and various forms. Wherever these come, on being invoked by one who is a wizard, then the most horrible witchcraft sins arise; then spring up those which tend to murder and the deadening of the heart: powerful are they by dint of concealing their hideousness and by their enchanted potions.]

§ 16. "As the twelfth best of regions and countries, I, Ahura-mazda, created Ragha with the three races. Thereupon Anglo-mainyus, the Death-dealing, created, in opposition to it, the evil of unbelief in the Supreme.

§ 17. "As the thirteenth best of regions and countries, I, Ahura-mazda, created Kakra the strong, the pious. Thereupon Anglo-mainyus, the Death-dealing, created the curse of inexpiable acts, cooking the dead.

§ 18. "As the fourteenth best of regions and countries, I, Ahura-mazda, created Varena with the four corners. There was born



Thraetona, the slayer of the destructive serpent. Thereupon Angromainyus, the Death-dealing, created, in opposition to it, irregularly recurring evils (*i.e.*, sicknesses) and un-Arian plagues of the country.

§ 19. "As the fifteenth best of regions and countries, I, Ahuramazda, created Hapta Hindu, from the eastern Hindu to the western. Thereupon Angromainyus, the Death-dealing, created, in opposition to it, untimely evils and irregular fevers.

§ 20. "As the sixteenth best of regions and countries, I, Ahuramazda, created those who dwell without ramparts on the sea-coast. Thereupon Angromainyus, the Death-dealing, created, in opposition, snow, the work of the Devas, and earthquakes which make the earth to tremble.

§ 21. "There are also other regions and countries, happy, renowned, high, prosperous, and brilliant."

[N.B. — I have followed, except in a few doubtful phrases, the translation of Dr. Martin Haug, as given in Chevalier Bunsen's *Egypt*, vol. iii. pp. 488–490.]

# THE FOURTH MONARCHY.

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## BABYLONIA.

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### CHAPTER I.

#### EXTENT OF THE EMPIRE.

"Behold, a tree in the midst of the earth, and the height thereof was great; the tree grew and was strong: and the height thereof reached unto heaven, and the sight thereof to the end of all the earth." — Dan. iv. 10, 11.

THE limits of Babylonia Proper, the tract in which the dominant power of the Fourth Monarchy had its abode, being almost identical with those which have been already described under the head of Chaldæa,<sup>1</sup> will not require in this place to be treated afresh at any length. It needs only to remind the reader that Babylonia Proper is that *alluvial* tract towards the mouth of the two great rivers of Western Asia — the Tigris and the Euphrates — which intervenes between the Arabian Desert on the one side, and the more eastern of the two streams on the other. Across the Tigris the country is no longer Babylonia, but Cissia, or Susiana — a distinct region, known to the Jews as Elam — the *habitat* of a distinct people.<sup>2</sup> Babylonia lies westward of the Tigris, and consists of two vast plains or flats, one situated between the two rivers, and thus forming

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<sup>1</sup> See vol. i. pp. 3-15. The only difference between Babylonia Proper under Nebuchadnezzar, and Chaldæa under Nimrod and Uruk, is the greater size of the former, arising in part from the gradual growth of the alluvium seawards (vol. i. pp. 4, 5), in part from the extended use of irrigation by Nebu-

chadnezzar along the south-western or Arabian frontier.

<sup>2</sup> The Susianians appear by their inscriptions to have been a Cushite race, not distantly connected with the dominant race of ancient Chaldæa. But they retained their primitive character, while the Babylonians changed theirs and became Semitised.

the lower portion of the "Mesopotamia" of the Greeks and Romans—the other interposed between the Euphrates and Arabia, a long but narrow strip along the right bank of that abounding river. The former of these two districts is shaped like an ancient *amphora*, the mouth extending from Hit to Samarah, the neck lying between Baghdad and Ctesiphon on the Tigris, Mohammed and Mosaib on the Euphrates, the full expansion of the body occurring between Serut and El Khithr, and the pointed base reaching down to Kornah at the junction of the two streams. This tract, the main region of the ancient Babylonia, is about 320 miles long, and from 20 to 100 broad. It may be estimated to contain about 18,000 square miles. The tract west of the Euphrates is smaller than this. Its length, in the time of the Babylonian Empire, may be regarded as about 350 miles,<sup>3</sup> its average width is from 25 to 30 miles, which would give an area of about 9000 square miles. Thus the Babylonia of Nabopolassar and Nebuchadnezzar may be regarded as covering a space of 27,000 square miles—a space a little exceeding the area of the Low countries.

The small province included within these limits—smaller than Scotland or Ireland, or Portugal or Bavaria—became suddenly, in the latter half of the seventh century B.C. the mistress of an extensive empire. On the fall of Assyria, about B.C. 625, or a little later, Media and Babylonia, as already observed,<sup>4</sup> divided between them her extensive territory. It is with the acquisitions thus made that we have now to deal. We have to inquire what portion exactly of the previous dominions of Assyria fell to the lot of the adventurous Nabopolassar, when Nineveh ceased to be—what was the extent of the territory which was ruled from Babylon in the latter portion of the seventh and the earlier portion of the sixth century before our era?

Now the evidence which we possess on this point is threefold. It consists of certain notices in the Hebrew Scriptures,

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<sup>3</sup> From the edge of the alluvium to the present coast of the Persian Gulf is a distance of 430 miles. But 80 miles must be deducted from this distance on account of the growth of the alluvium during twenty-four centuries. (See vol. i. p. 4.)

<sup>4</sup> Supra, p. 397.

contemporary records of first-rate historical value; of an account which strangely mingles truth with fable in one of the books of the Apocrypha; and of a passage of Berosus preserved by Josephus in his work against Apion. The Scriptural notices are contained in Jeremiah, in Daniel, and in the books of Kings and Chronicles.<sup>5</sup> From these sources we learn that the Babylonian Empire of this time embraced on the one hand the important country of Susiana<sup>6</sup> or Elymais (Elam), while on the other it ran up the Euphrates at least as high as Carchemish,<sup>7</sup> from thence extending westward to the Mediterranean,<sup>8</sup> and southward to, or rather perhaps into, Egypt.<sup>9</sup> The Apocryphal book of Judith enlarges these limits in every direction. That the Nabuchodonosor of that work is a reminiscence of the real Nebuchadnezzar there can be no doubt.<sup>10</sup> The territories of that monarch are made to extend eastward, beyond Susiana, into Persia;<sup>11</sup> northward to Nineveh;<sup>12</sup> westward to Cilicia in Asia Minor;<sup>13</sup> and southward to the very borders of Ethiopia.<sup>14</sup> Among the countries under his sway are enumerated Elam, Persia, Assyria, Cilicia, Cœle-Syria, Syria of Damascus, Phœnicia, Galilee, Gilead, Bashan, Judæa, Philistia, Goshen, and Egypt generally.<sup>15</sup> The passage of Berosus is of a more partial character. It has no bearing on the general question of the extent of the Babylonian Empire, but, incidentally, it confirms the statements of our other authorities as to the influence of Babylon in the West. It tells us that Cœle-Syria, Phœnicia, and Egypt, were subject to Nabopolassar,<sup>16</sup>

<sup>5</sup> Jerem. xxvii. 3-7; xlv. 2-26; xlix. 28-37; lii. 4-30; Dan. ii. 38; iv. 22; viii. 1-27; 2 K. xxiv. 1-7, 10-17; xxv. 1-21; 2 Chr. xxxvi. 6-20.

<sup>6</sup> See especially Dan. viii. 1, 2, 27.

<sup>7</sup> Jerem. xlv. 2; 2 Chr. xxxv. 20.

<sup>8</sup> Jerem. xxvii. 3-6. Compare Ezek. xxix. 17, 18.

<sup>9</sup> Jerem. xlv. 13-26; Ezek. xxix. 19, 20.

<sup>10</sup> The name alone is sufficient proof of this. There never was any other powerful king who bore this remarkable appellation. And Nabuchodonosor is the exact rendering of the name which the Hellenistic Jews universally adopted. (See the Septuagint, *passim*; and compare Josephus, *Ant. Jud.* x. 6, § 1; &c.)

<sup>11</sup> Judith, i. 7.

<sup>12</sup> *Ibid.* verse 1.

<sup>13</sup> *Ibid.* verse 7.

<sup>14</sup> *Ibid.* verse 10.

<sup>15</sup> Except in making Nabuchodonosor rule at *Nineveh*, and bear sway over *Persia* and *Cilicia*, the author of the Book of Judith seems to apprehend correctly the extent of his empire. It is even conceivable that, as succeeding to Assyria in the south and west, Nebuchadnezzar may have claimed an authority over both the Persians and the Cilicians.

<sup>16</sup> Beros. ap. Joseph. c. *Ap.* 19: 'Ἀκούσας ὁ Ναβολάσσαρος ὅτι ὁ τεταγμένος σατράπης ἐν τῇ Αἰγύπτῳ καὶ τοῖς περὶ τὴν Συρίαν τὴν Κοίλῃ καὶ τὴν Φοινίκῃ ἀποστάτης γέγονεν, κ. τ. λ.

and that Nebuchadnezzar ruled, not only over these countries, but also over some portion of Arabia.<sup>17</sup>

From these statements, which, on the whole, are tolerably accordant, we may gather that the great Babylonian Empire of the seventh century B.C. inherited from Assyria all the southern and western portion of her territory, while the more northern and eastern provinces fell to the share of Media. Setting aside the statement of the book of Judith (wholly unconfirmed as it is by any other authority), that Persia was at this time subject to Babylon, we may regard as the most eastern portion of the Empire the district of Susiana, which corresponded nearly with the modern Khuzistan and Luristan. This acquisition advanced the eastern frontier of the Empire from the Tigris to the Bakhtiyari Mountains, a distance of 100 or 120 miles. It gave to Babylon an extensive tract of very productive territory, and an excellent strategic boundary. Khuzistan is one of the most valuable provinces of modern Persia.<sup>1</sup> It consists of a broad tract of fertile alluvium, intervening between the Tigris and the mountains,<sup>2</sup> well watered by numerous large streams, which are capable of giving an abundant irrigation to the whole of the low region. Above this is Luristan, a still more pleasant district, composed of alternate mountain, valley, and upland plain, abounding in beautiful glens, richly wooded, and full of gushing brooks and clear rapid rivers.<sup>3</sup> Much of this region is of course uncultivable mountain, range succeeding range, in six or eight parallel lines,<sup>4</sup> as the traveller advances to the north-east; and most of the ranges exhibiting vast tracts of bare and often precipitous rock, in the clefts of which snow rests till midsummer.<sup>5</sup> Still the lower

<sup>17</sup> Beros. ap. Joseph c. Ap. 19: Κρατῆσαι δὲ φησι τὸν Βαβυλωνίων (sc. Ναβουχοδονόσορον) Αἰγύπτου, Συρίας, Φοινίκης, Ἀραβίας.

<sup>1</sup> Kinneir's *Persian Empire*, pp. 85-107; *Journal of Geographical Society*, vol. ix. art. ii.; vol. xvi. art. i.; Loftus, *Chaldaea and Susiana*, pp. 287-316.

<sup>2</sup> Towards the east, between the Jerahi and the Tab or Hindyan river, and again between the Jerahi and the Kuran, the low country consists now in great part of

sandy plains and morasses (Kinneir, pp. 85, 86); but a careful system of irrigation, such as anciently prevailed, would at once drain the marshes and spread water over the sandy tracts. Then the whole region would be productive.

<sup>3</sup> See *Journal of the Geographical Society*, vol. ix. pp. 93-97.

<sup>4</sup> Layard, *Nineveh and Babylon*, p. 373; *Geographical Journal*, vol. xvi. p. 50; Loftus, *Chaldaea and Susiana*, p. 308.

<sup>5</sup> *Geograph. Journ.* vol. ix. p. 96.

flanks of the mountains are in general cultivable, while the valleys teem with orchards and gardens, and the plains furnish excellent pasture. The region closely resembles Zagros, of which it is a continuation. As we follow it, however, towards the south-east into the Bakhtiyari country, where it adjoins upon the ancient Persia, it deteriorates in character; the mountains becoming barer and more arid, and the valleys narrower and less fertile.<sup>6</sup>

All the other acquisitions of Babylonia at this period lay towards the west. They consisted of the Euphrates valley, above Hit; of Mesopotamia Proper, or the country about the two streams of the Bilik and the Khabour; of Syria, Phœnicia, Palestine, Idumæa, Northern Arabia, and part of Egypt. The Euphrates valley from Hit to Balis is a tract of no great value, except as a line of communication. The Mesopotamian Desert presses it closely upon the one side, and the Arabian upon the other. The river flows mostly in a deep bed between cliffs of marl, gypsum, and limestone,<sup>7</sup> or else between bare hills producing only a few dry sapless shrubs and a coarse grass;<sup>8</sup> and there are but rare places where, except by great efforts,<sup>9</sup> the water can be raised so as to irrigate, to any extent, the land along either bank. The course of the stream is fringed by date-palms as high as Anah,<sup>10</sup> and above is dotted occasionally with willows, poplars, sumacs, and the unfruitful palm-tree. Cultivation is possible in places along both banks, and the undulating country on either side affords patches of good pasture.<sup>11</sup> The land improves as we ascend. Above the junction of the Khabour with the main stream, the left bank is mostly cultivable. Much of the land is flat and well-wooded,<sup>12</sup> while often there are broad stretches of open ground, well adapted for

<sup>6</sup> *Geograph. Journal*, vol. ix. pp. 77-82.

<sup>7</sup> Chesney, *Euphrates Expedition*, vol. i. pp. 48-53; Ainsworth, *Travels in the Track of the Ten Thousand*, pp. 78, 79.

<sup>8</sup> Compare the description of Xenophon, *Anab.* i. 5, § 1 (quoted in vol. i. p. 192, note 2); and see Ainsworth, *Travels, &c.*, pp. 76 and 81.

<sup>9</sup> Numerous remains of aqueducts on both banks of the river above Hit show

that in ancient times such efforts were made, and that the life-giving fluid was by these means transported to considerable distances. But the works in question scarcely reach to Babylonian times.

<sup>10</sup> Chesney, vol. i. p. 53.

<sup>11</sup> On the difficulty of obtaining any great amount of pasture in this region, see Xen. *Anab.* i. 5, § 5.

<sup>12</sup> Chesney, vol. i. p. 48.

pasturage. A considerable population seems in ancient times to have peopled the valley, which did not depend wholly or even mainly on its own products, but was enriched by the important traffic which was always passing up and down the great river.<sup>13</sup>

Mesopotamia Proper,<sup>14</sup> or the tract extending from the head streams of the Khabour about Mardin and Nisibin to the Euphrates at Bir, and thence southwards to Karkesiyeh or Circesium, is not certainly known to have belonged to the kingdom of Babylon, but may be assigned to it on grounds of probability. Divided by a desert or by high mountains from the valley of the Tigris, and attached by means of its streams to that of the Euphrates, it almost necessarily falls to that power which holds the Euphrates under its dominion. The tract is one of considerable extent and importance. Bounded on the north by the range of hills which Strabo calls Mons Masius,<sup>15</sup> and on the east by the waterless upland which lies directly west of the middle Tigris, it comprises within it all the numerous affluents of the Khabour and Bilik, and is thus better supplied with water than almost any country in these regions. The borders of the streams afford the richest pasture,<sup>16</sup> and the whole tract along the flank of Masius is fairly fertile.<sup>17</sup> Towards the west, the tract between the Khabour and the Bilik, which is diversified by the Abd-el-Aziz hills, is a land of fountains. "Such," says Ibn Haukal, "are not to be found elsewhere in all the land of the Moslems, for there are more than three hundred pure running brooks."<sup>18</sup> Irrigation is quite possible in this region; and many remains of ancient watercourses show that large tracts, at some distance from the main streams, were formerly brought under cultivation.<sup>19</sup>

Opposite to Mesopotamia Proper, on the west or right bank of the Euphrates, lay Northern Syria, with its important fortress of Carchemish, which was undoubtedly included in the Empire.<sup>20</sup> This tract is not one of much value. Towards the

<sup>13</sup> Herod. i. 185, 194; Strab. xvi. 3, § 4; Q. Curt. x. 1.

<sup>14</sup> See Ptolemy, *Geograph.* v. 18.

<sup>15</sup> Strab. xvi. 1, § 23.

<sup>16</sup> See Layard's *Nineveh and Babylon*, pp. 310, 312, &c.

<sup>17</sup> Strab. xvi. 1, § 23.

<sup>18</sup> Chesney, vol. i. p. 49. Compare Layard, *Nin. and Bab.* p. 312.

<sup>19</sup> Layard, *l. s. c.*

<sup>20</sup> Jerem. xlv. 2.

north it is mountainous, consisting of spurs from Amanus and Taurus, which gradually subside into the desert a little to the south of Aleppo. The bare, round-backed, chalky or rocky ranges, which here continually succeed one another, are divided only by narrow tortuous valleys, which run chiefly towards the Euphrates or the lake of Antioch.<sup>21</sup> This mountain tract is succeeded by a region of extensive plains, separated from each other by low hills, both equally desolate.<sup>22</sup> The soil is shallow and stony; the streams are few, and of little volume; irrigation is thus difficult, and, except where it can be applied, the crops are scanty. The pistachio-nut grows wild in places; vines and olives are cultivated with some success; and some grain is raised by the inhabitants; but the country has few natural advantages, and it has always depended more upon its possession of a carrying trade than on its home products for prosperity.

West and south-west of this region, between it and the Mediterranean, and extending southwards from Mount Amanus to the latitude of Tyre, lies Syria Proper, the Cœle-Syria of many writers,<sup>1</sup> a long but comparatively narrow tract of great fertility and value. Here two parallel ranges of mountains intervene between the coast and the desert, prolific parents of a numerous progeny of small streams. First, along the line of the coast, is the range known as Libanus in the south, from lat. 33° 20' to lat. 34° 40', and as Bargylus<sup>2</sup> in the north, from lat. 34° 45' to the Orontes at Antioch, a range of great beauty, richly wooded in places, and abounding in deep glens, foaming brooks, and precipices of a fantastic form.<sup>3</sup> More inland is Antilibanus, culminating towards the south in Hermon, and prolonged northward in the Jebel Shashabu, Jebel Riha, and Jebel-el-Ala,<sup>4</sup> which extends from near Hems to the latitude of Aleppo. More striking than even Lebanon at its lower ex-

<sup>21</sup> On the character of this region see Ainsworth, *Travels in the Track*, pp. 61-65.

<sup>22</sup> Porter, *Handbook of Syria and Palestine*, pp. 609-616.

<sup>1</sup> Cœle-Syria is used in this wide sense by Strabo (xvi. 2, § 21), Polybius (v. 80, § 3), Josephus (*Ant. Jud.* i. 11, § 5), and the Apocryphal writers (1 Esdr. ii.

17, 24; iv. 48; vi. 29, &c.; 1 Mac. x. 69; 2 Mac. iii. 5; iv. 8, &c.

<sup>2</sup> This range is now known as the *Jebel Nusairiyeh*.

<sup>3</sup> Porter, *Handbook of Syria*, pp. 581-589; Chesney, *Euphrates Expedition*, vol. i. pp. 387, 388.

<sup>4</sup> Chesney, vol. i. p. 388; Porter, p. 616.



tremity, where Hermon lifts a snowy peak into the air during most of the year, it is on the whole inferior in beauty to the coast range, being bleaker, more stony, and less broken up by dells and valleys towards the south, and tamer, barer, and less



well supplied with streams in its more northern portion. Between the two parallel ranges lies the "Hollow Syria," a long and broadish valley, watered by the two streams of the Orontes and the Litany,<sup>5</sup> which, rising at no great distance

<sup>5</sup> This is Cœle-Syria Proper. See the description of Dionysius (*Perieg.* ll. 899, 900): —

from one another, flow in opposite directions, one hurrying northwards nearly to the flanks of Amanus, the other southwards to the hills of Galilee. Few places in the world are more remarkable, or have a more stirring history, than this wonderful vale. Extending for above two hundred miles from north to south, almost in a direct line,<sup>6</sup> and without further break than an occasional screen of low hills,<sup>7</sup> it furnishes the most convenient line of passage between Asia and Africa, alike for the journeys of merchants and for the march of armies. Along this line passed Thothmes and Rameses, Sargon and Sennacherib, Neco and Nebuchadnezzar, Alexander and his warlike successors, Pompey, Antony, Kaled, Godfrey of Bouillon; along this must pass every great army which, starting from the general seats of power in Western Asia, seeks conquests in Africa, or which, proceeding from Africa, aims at the acquisition of an Asiatic dominion. Few richer tracts are to be found even in these most favoured portions of the earth's surface. Towards the south the famous El-Bukaa is a land of cornfields and vineyards, watered by numerous small streams which fall into the Litany.<sup>8</sup> Towards the north El-Ghab is even more splendidly fertile,<sup>9</sup> with a dark rich soil, luxuriant vegetation, and water in the utmost abundance, though at present it is cultivated only in patches immediately about the towns, from fear of the Nusairiyeh and the Bedouins.<sup>10</sup>

Parallel with the southern part of the Cœle-Syrian valley, to the west and to the east, were two small but important tracts,

Ἡ Κοίλην ἐνέπουσιν ἐπάνυμον, οὖνεκ' ἔρ' αὐτήν.

Μίσσην καὶ χθαμαλὴν ὁρίων δύο πρῶτες ἔχουσιν.

Compare Stanley, *Sinai and Palestine*, p. 399.

<sup>6</sup> This statement is, of course, to be taken as a general one. Strictly speaking, the valley runs first due south to Apamea (50 miles); then S.S.E. to a little beyond Hamath (25 miles); then again due south nearly to Hems (20 miles); and finally S.S.W. to *Kulut-esh-Shukuf* (above 100 miles).

<sup>7</sup> One such screen lies a little north

of Baalbek; another a little north of Hems. (See Kiepert's map.)

<sup>8</sup> Stanley, p. 399; Porter, pp. 567, 568; Chesney, vol. i. p. 389.

<sup>9</sup> Mr. Porter says of the lower Orontes valley, or *El Ghab*, "The valley is beautiful, resembling the *Buká'a*; but still more fertile, and more abundantly watered." And again, "The soil is rich and vegetation luxuriant. What a noble cotton-field would this valley make! Two hundred square miles of splendid land is waiting to pour inexhausted wealth into the pocket of some western speculator." (*Handbook*, p. 619.)

<sup>10</sup> *Ibid.* p. 620.

usually regarded as distinct states. Westward, between the heights of Lebanon and the sea, and extending somewhat beyond Lebanon, both up and down the coast, was Phœnicia, a narrow strip of territory lying along the shore, in length from 150 to 180 miles,<sup>11</sup> and in breadth varying from one mile to twenty.<sup>12</sup> This tract consisted of a mere belt of sandy land along the sea, where the smiling palm-groves grew from which the country derived its name,<sup>13</sup> of a broader upland region along the flank of the hills, which was cultivated in grain,<sup>14</sup> and of the higher slopes of the mountains which furnished excellent timber.<sup>15</sup> Small harbours, sheltered by rocky projections, were frequent along the coast. Wood cut in Lebanon was readily floated down the many streams to the shore, and then conveyed by sea to the ports. A narrow and scanty land made commerce almost a necessity. Here accordingly the first great maritime nation of antiquity grew up. The Phœnician fleets explored the Mediterranean at a time anterior to Homer, and conveyed to the Greeks and the other inhabitants of Europe, and of Northern and Western Africa, the wares of Assyria, Babylon, and Egypt.<sup>16</sup> Industry and enterprise reaped their usual harvest of success; the Phœnicians grew in wealth, and their towns became great and magnificent cities. In the time when the Babylonian Empire came into being, the narrow tract of Phœnicia—smaller than many an English county—was among the most valuable countries of Asia; and its possession was far

<sup>11</sup> Mr. Grote estimates the length of Phœnicia at no more than 120 miles (*Hist. of Greece*, vol. ii. p. 445, 2nd edition), which is little more than the distance, as the crow flies, between Antaradus and Tyre. My own inclination is to extend Phœnicia northwards at least as high as Gabala (*Jebelch*), and southwards at least as low as Carmel. This is a distance, as the crow flies, of full 180 miles. (On the different estimates of the Phœnician coast-line, see the author's *Herodotus*, vol. i. p. 478, note 4, 2nd edition.)

<sup>12</sup> Scylax (*Peripl.* p. 99) says of Phœnicia that it was "in places not ten furlongs across." Mr. Grote calls it "never more, and generally much less,

than 20 miles in breadth." (*Hist. of Greece*, l. s. c.) Mr. Porter speaks of the "plain of Phœnicia Proper" as having "an average breadth of about a mile." (*Handbook*, p. 396.)

<sup>13</sup> So Stanley (*Sinai and Palestine*, p. 263) and Twistleton (*Biblical Dictionary*, vol. ii. p. 860). Others regard the name as descriptive of the colour of the race, and parallel to Edomite, Erythræan, and the like. (Kenrick, *Phœnicia*, p. 35.)

On the Phœnician palm-groves, see Stanley, l. s. c.

<sup>14</sup> Stanley, p. 262.

<sup>15</sup> See 1 Kings v. 6; 2 Chr. ii. 8, 16; Ezek. xxvii. 5.

<sup>16</sup> Hom. *Il.* vi. 289; xxiii. 743; *Od.* iv. 614; xiii. 285; xv. 425; Herod. i. 1.

more to be coveted than that of many a land whose area was ten or twenty times as great.

Eastward of Antilibanus, in the tract between that range and the great Syrian desert, was another very important district—the district which the Jews called "Aram-Dammesek, and which now forms the chief part of the Pashalik of Damascus. From the eastern flanks of the Antilibanus two great and numerous smaller streams flow down into the Damascene plain, and, carrying with them that strange fertilising power which water always has in hot climates, convert the arid sterility of the desert into a garden of the most wonderful beauty. The Barada and Awaaj, bursting by narrow gorges from the mountain chain, scatter themselves in numerous channels over the great flat, intermingling their waters, and spreading them out so widely, that for a circle of thirty miles the deep verdure of Oriental vegetation replaces the red hue of the Hauran. Walnuts, planes, poplars, cypresses, apricots, orange-trees, citrons, pomegranates, olives, wave above; corn and grass of the most luxuriant growth, below.<sup>17</sup> In the midst of this great mass of foliage, the city of Damascus "strikes out the white arms of its streets hither and thither"<sup>18</sup> among the trees, now hid among them, now overtopping them with its domes and minarets, the most beautiful of all those beautiful towns which delight the eye of the artist in the East. In the south-west towers the snow-clad peak of Hermon, visible from every part of the Damascene plain. West, north-west, and north, stretches the long Antilibanus range, bare, grey, and flat-topped,<sup>19</sup> except where, about midway in its course, the rounded summit of Jebel Tiniyeh breaks the uniformity of the line.<sup>1</sup> Outside the circle of deep verdure, known to the Orientals as *El Merj* ("the Meadow"), is a setting or framework of partially cultivable land, dotted with clumps of trees and groves, which extend for many miles over the plain.<sup>2</sup> To the Damascus country must also be reckoned those many charming valleys of Hermon

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<sup>17</sup> Porter, *Handbook*, pp. 459, 460; Cheaney, vol. i. p. 527; Lynch, *Expedition to the Dead Sea*, pp. 319 and 325.

<sup>18</sup> Stanley, *Sinai and Palestine*, p. 402.

<sup>19</sup> Porter, p. 470.

<sup>1</sup> Ibid. p. 465.

<sup>2</sup> Ibid. p. 459.

and Antilibanus which open out into it, sending their waters to increase its beauty and luxuriance, the most remarkable of which are the long ravine of the Barada,<sup>3</sup> and the romantic Wady Halbôn,<sup>4</sup> whose vines produced the famous beverage which Damascus anciently supplied at once to the Tyrian merchant-princes<sup>5</sup> and to the the voluptuous Persian kings.<sup>6</sup>

Below the Cœle-Syrian valley, towards the south, came PALESTINE, the Land of Lands to the Christian, the country which even the philosopher must acknowledge to have had a greater influence on the world's history than any other tract which can be brought under a single ethnic designation. Palestine — etymologically the country of the Philistines<sup>7</sup> — was somewhat unfortunately named. Philistine influence may possibly have extended at a very remote period over the whole of it; but in historical times that warlike people did but possess a corner of the tract, less than one-tenth of the whole — the low coast region from Jamnia to Gaza. Palestine contained, besides this, the regions of Galilee, Samaria, and Judæa, to the west of the Jordan, and those of Ituræa, Trachonitis, Bashan, and Gilead, east of that river. It was a tract 140 miles long, by from 70 to 100 broad, containing probably about 11,000 square miles. It was thus about equal in size to Belgium, while it was less than Holland or Hanover, and not much larger than the principality of Wales, with which it has been compared by a recent writer.<sup>8</sup>

The great natural division of the country is the Jordan valley. This remarkable depression, commencing on the west flank of

<sup>3</sup> This ravine is well described by Stanley (*Sinai and Palestine*, pp. 401, 402), and by Porter (*Handbook*, pp. 458, 459).

<sup>4</sup> Porter, pp. 495, 496.

<sup>5</sup> Ezek. xxvii. 18. "Damascus was thy merchant in the multitude of the wares of thy making, for the multitude of all riches: in the wine of Helbon and white wool."

<sup>6</sup> Strab. xv. 3, § 22: Οἱ βασιλεῖς [τῶν Περσῶν] πυρὸν μὲν ἐξ Ἀσσοῦ τῆς Αἰολίδος μετρησαν, οἶνον δ' ἐκ Συρίας τὸν Χαλυβώνιον.

<sup>7</sup> The word first occurs in Herodotus, who generally uses it as an adjective

(ἡ Παλαιστίνη Συρίη — Σύροι οἱ Παλαιστῖνοι καλούμενοι), and attaches it especially to the coast-tract (ii. 104; iii. 5; vii. 89). It represents the Hebrew Philistim (פְּלִשְׁתִּים) letter for letter. Josephus always calls the Philistines Παλαιστῖνοι.

<sup>8</sup> Mr. Grove, in Dr. Smith's *Biblical Dictionary*, vol. ii. p. 663. This writer limits the name of Palestine to the tract west of the Jordan; but the present author prefers the wider sense which is more usual among moderns. (Stanley, pp. 111, 112; Robinson, vol. i., *Preface*, p. ix. &c.)

Hermon, runs with a course which is almost due south from lat.  $33^{\circ} 25'$  to lat.  $31^{\circ} 47'$ , where it is merged in the Dead Sea, which may be viewed, however, as a continuation of the valley, prolonging it to lat.  $31^{\circ} 8'$ . This valley is quite unlike any other in the whole world. It is a volcanic rent in the earth's surface, a broad chasm which has gaped and never closed up.<sup>9</sup> Naturally, it should terminate at Merom, where the level of the Mediterranean is nearly reached.<sup>10</sup> By some wonderful convulsion, or at any rate by some unusual freak of Nature, there is a channel (*αὐλὴν*) opened out from Merom, which rapidly sinks below the sea level, and allows the stream to flow hastily, down and still down, from Merom to Gennesareth, and from Gennesareth to the Dead Sea, where the depression reaches its lowest point,<sup>11</sup> and the land rising into a ridge, separates the Jordan valley from the upper end of the Gulf of Akabah. The Jordan valley divides Palestine, strongly and sharply, into two regions. Its depth, its inaccessibility (for it can only be entered from the highlands on either side down a few steep watercourses), and the difficulty of passing across it (for the Jordan has but few fords), give it a separating power almost equal to that of an arm of the sea.<sup>12</sup> In length above a hundred miles, in width varying from one mile to ten, and averaging some five miles, or perhaps six, it must have been valuable as a territory, possessing, as it does, a rich soil, abundant water, and in its lower portion a tropical climate.<sup>13</sup>

On either side of the deep Jordan cleft lies a highland of moderate elevation, on the right that of Galilee, Samaria, and Judæa, on the left that of Ituræa, Bashan, and Gilead. The right or western highland consists of a mass of undulating hills, with rounded tops, composed of coarse grey stone, covered, or

<sup>9</sup> On the traces of volcanic action in the neighbourhood of the Jordan, see Robinson, vol. iii, p. 313; Stanley, p. 279; Lynch, *Narrative*, pp. 111, 115, &c.

<sup>10</sup> The exact elevation or depression of the several parts of the Jordan valley is perhaps not even yet fully ascertained. According to Van de Velde, the level of Merom is 120 feet above the Mediterranean. According to others it is but

50 feet above that sea. (*Geogr. Journal*, vol. xx. p. 228.)

<sup>11</sup> The surface of the Dead Sea is in an ordinary season about 1300 or 1320 feet below the level of the Mediterranean. Its bed is in places from 1200 to 1300 feet lower.

<sup>12</sup> Compare Stanley, p. 317.

<sup>13</sup> *Ibid.* p. 292.

scarcely covered, with a scanty soil, but capable of cultivation in corn, olives, and figs. This region is most productive towards the north, barer and more arid as we proceed southwards towards the desert. The lowest portion, Judæa, is unpicturesque, ill-watered, and almost treeless;<sup>14</sup> the central, Samaria, has numerous springs, some rich plains, many wooded heights, and in places quite a sylvan appearance;<sup>15</sup> the highest, Galilee, is a land of water-brooks, abounding in timber, fertile and beautiful.<sup>16</sup> The average height of the whole district is from 1500 to 1800 feet above the Mediterranean. Main elevations within it vary from 2500 to 4000 feet.<sup>17</sup> The axis of the range is towards the East, nearer, that is, to the Jordan valley than to the sea. It is a peculiarity of the highland that there is one important break in it. As the Lowland mountains of Scotland are wholly separated from the mountains of the Highlands by the low tract which stretches across from the Frith of Forth to the Frith of Clyde, or as the ranges of St. Gall and Appenzell are divided off from the rest of the Swiss mountains by the flat which extends from the Rhine at Ragatz to the same river at Waldshut, so the western highland of Palestine is broken in twain by the famous "plain of Esdraelon," which runs from the Bay of Acre to the Jordan valley at Beth-Shean or Scythopolis.

East of the Jordan no such depression occurs, the highland there being continuous. It differs from the western highland chiefly in this—that its surface, instead of being broken up into a confused mass of rounded hills, is a table-land, consisting of a

<sup>14</sup> "Those who describe Palestine as beautiful," says Dean Stanley, "must either have a very inaccurate notion of what constitutes beauty of scenery, or must have viewed the country through a highly coloured medium. . . . The tangled and featureless hills of the Lowlands of Scotland and North Wales are perhaps the nearest likeness, accessible to Englishmen, of the general landscape of Palestine south of the plain of Esdraelon." (*Sinai and Palestine*, p. 136.) Compare Beaufort, *Egyptian Sepulchres and Syrian Shrines*, vol. ii. p. 97; and Russegger, in Ritter's *Erkunde*, vol. viii. p. 495.

<sup>15</sup> Robinson, *Researches*, vol. ii. pp. 95, 96; Van de Velde, *Syria and Palestine*, vol. i. p. 388; Grove, in Dr. Smith's *Biblical Dictionary*, vol. ii. p. 669.

<sup>16</sup> Stanley, p. 353; Van de Velde, vol. i. p. 386; Robinson, vol. iii. pp. 366-383.

<sup>17</sup> Jebel Jurmuk (in Galilee) is estimated at 4000 feet; Hebron at 3029 feet; Safed (in Galilee) at 2775 feet; the Mount of Olives at 2724 feet; Ebal and Gerizim at 2700; Sinjil at 2685; Neby Samwil at 2650; and Jerusalem at 2610. (*Biblical Dictionary*, vol. ii. p. 665.)

long succession of slightly undulating plains.<sup>18</sup> Except in Trachonitis and southern Ituræa, where the basaltic rock everywhere crops out,<sup>19</sup> the soil is rich and productive, the country in places wooded with fine trees, and the herbage luxuriant. On the west the mountains rise almost precipitously from the Jordan valley, above which they tower to the height of 3000 or 4000 feet. The outline is singularly uniform; and the effect is that of a huge wall guarding Palestine on this side from the wild tribes of the desert. Eastward the table-land slopes gradually, and melts into the sands of Arabia. Here water and wood are scarce; but the soil is still good, and bears the most abundant crops.<sup>20</sup>

Finally, Palestine contains the tract from which it derives its name, the low country of the Philistines, which the Jews called the *Shephēlah*,<sup>1</sup> together with a continuation of this tract northwards to the roots of Carmel, the district known to the Jews as "Sharon," or "the smooth place."<sup>2</sup> From Carmel to the Wady Sheriah, where the Philistine country ended, is a distance of about one hundred miles, which gives the length of the region in question. Its breadth between the shore and the highland varies from about twenty-five miles in the south, between Gaza and the hills of Dan, to three miles, or less, in the north, between Dor and the border of Manasseh. Its area is probably from 1400 to 1500 square miles. This low strip is along its whole course divided into two parallel belts or bands—the first a flat sandy tract along the shore, the *Ramleh* of the modern Arabs; the second, more undulating, a region of broad rolling plains rich in corn, and anciently clothed in part with thick woods,<sup>3</sup>

<sup>18</sup> Stanley, *Sinai and Palestine*, p. 314 ("A wide table-land, tossed about in wild confusion of undulating downs"); Porter, *Handbook of Syria*, p. 295; &c.

<sup>19</sup> Porter, pp. 465 and 506.

<sup>20</sup> A recent traveller (Rev. H. B. Tristram) gave strong testimony to this effect at the meeting of the British Association in Bath, September, 1864.

<sup>1</sup> *Ha-Shephēlah*, "the Shephelah" or "depressed plain," (from שָׁפֵל, "to depress,") is the ordinary term applied to this tract in the original. The LXX.

generally translate it by τὸ πεδιον or ἡ πεδινή; but sometimes they regard it as a proper name. (See Jerem. xxxii. 44; xxxiii. 14; Obad. 19; 1 Mac. xii. 38.)

<sup>2</sup> Sharon (like Mishor, the term applied to the trans-Jordanic table-land), is derived from שָׁרָה, "just, straight-forward," and thence "level." (See Stanley, *Sinai and Palestine*, p. 479, Appendix.)

<sup>3</sup> Strab. xvi. 2, § 27. *Εἰτα δρυμὸς μέγας τις.*



watered by reedy streams,<sup>4</sup> which flow down from the great highland. A valuable tract is this entire plain, but greatly exposed to ravage. Even the sandy belt will grow fruit-trees; and the towns which stand on it, as Gaza, Jaffa, and Ashdod, are surrounded with huge groves of olives, sycamores, and palms,<sup>5</sup> or buried in orchards and gardens, bright with pomegranates and orange-trees.<sup>6</sup> The more inland region is of marvellous fertility. Its soil is a rich loam, containing scarcely a pebble, which yields year after year prodigious crops of grain<sup>7</sup> — chiefly wheat — without manure or irrigation, or other cultivation than a light ploughing. Philistia was the granary of Syria,<sup>8</sup> and was important doubly, first, as yielding inexhaustible supplies to its conqueror, and secondly, as affording the readiest passage to the great armies which contended in these regions for the mastery of the Eastern World.<sup>9</sup>

South of the region to which we have given the name of Palestine, intervening between it and Egypt, lay a tract to which it is difficult to assign any political designation. Herodotus regarded it as a portion of Arabia, which he carried across the valley of the Arabah and made abut on the Mediterranean.<sup>10</sup> To the Jews it was "the land of the south"<sup>11</sup> — the special country of the Amalekites. By Strabo's time it had come to be known as Idumæa,<sup>12</sup> or the Edomite country; and under this appellation it will perhaps be most convenient to describe

<sup>4</sup> The modern Arabs call the upper tract of Sharon by the name of Khassab, "the Reedy." (Stanley, p. 256.) In old times the reedy character of the streams was marked by the name of Kanah (from קנה, "a cane"), given to one of them. (Josh. xvi. 8; xvii. 9.)

<sup>5</sup> Kenrick, *Phœnicia*, p. 28; Robinson, *Researches*, vol. ii. pp. 368, 376; Grove, in Smith's *Biblical Dictionary*, vol. ii. p. 672.

<sup>6</sup> Stanley, p. 253.

<sup>7</sup> Thomson, *The Land and the Book*, p. 552; Van de Velde, *Travels*, vol. ii. p. 175; Stanley, *Sinai and Palestine*, p. 254.

<sup>8</sup> "Le grenier de la Syrie." (Duc de Raguse, quoted in the *Biblical Dictionary*, vol. ii. p. 673, note.)

<sup>9</sup> The ordinary route of invaders from the south was along the maritime plain, and either round Carmel (which is easily rounded), or over the shoulder of the hills, into the plain of Esdraclon. Hence the march was either through Galilee to Cœle-Syria, or across the plain to Beth-Shean (Scythopolis), and thence by Apheca (*Fik*) and Neve (*Nawa*) to Damascus. Invaders from the north followed the same line, but in the reverse direction.

<sup>10</sup> Herod. iii. 5.

<sup>11</sup> Num. xiii. 29; Josh. x. 40; &c.

<sup>12</sup> Strab. xvi. 2, § 34. I think it probable that Scylax placed Idumæans between Syria and Egypt; but his work is unfortunately defective in this place. (*Peripl.* p. 102, ed. of 1700.)

it here. Idumæa, then, was the tract south and south-west of Palestine from about lat.  $31^{\circ} 10'$ . It reached westward to the borders of Egypt, which were at this time marked by the Wady-el-Arish,<sup>13</sup> southward to the range of Sinai and the Elanitic Gulf, and eastward to the Great Desert. Its chief town was Petra, in the mountains east of the Arabah valley. The character of the tract is for the most part a hard gravelly and rocky desert; but occasionally there is good herbage, and soil that admits of cultivation; brilliant flowers and luxuriantly growing shrubs bedeck the glens and terraces of the Petra range; and most of the tract produces plants and bushes on which camels, goats, and even sheep will browse, while occasional palm groves furnish a grateful shade and an important fruit.<sup>14</sup> The tract divides itself into four regions—first, a region of sand, low and flat, along the Mediterranean, the *Shephêlah* without its fertility; next, a region of hard gravelly plain intersected by limestone ridges, and raised considerably above the sea level, the Desert of El-Tih, or of “the Wanderings;” then the long, broad, low valley of the Arabah, which rises gradually from the Dead Sea to an imperceptible watershed,<sup>15</sup> and then falls gently to the head of the Gulf of Akabah, a region of hard sand thickly dotted with bushes, and intersected by numerous torrent courses; finally, a long narrow region of mountains and hills parallel with the Arabah,<sup>16</sup> constituting Idumæa Proper, or the original Edom, which, though rocky and rugged, is full of fertile glens, ornamented with trees and shrubs, and in places cultivated in terraces.<sup>17</sup> In shape

<sup>13</sup> See 2 K. xxiv. 7. That the “river of Egypt” here mentioned is not the Nile, but one of the torrent-courses which run from the plateau to the Mediterranean, is indicated by the word used for “river,” which is not נָחַל, but נַחֲלֵי. Of all the torrent-courses at present existing, the Wady-el-Arish is the best fitted to form a boundary.

<sup>14</sup> Palm trees are found at Akabah (Stanley, p. 22); and again at the Wady-Ghurundel (ib. p. 85).

<sup>15</sup> It is scarcely yet known exactly where the water-shed is. Stanley places it about four hours (14 miles) north of

the Wady-Ghurundel. (*Syria and Palestine*, l. s. c.)

<sup>16</sup> This tract, which is the original Edom or Idumæa Proper, consists of three parallel ranges. On the west, adjoining the Arabah, are low calcareous hills. To these succeeds a range of igneous rocks, chiefly porphyry, overlaid by red sandstone, which reaches the height of 2000 feet. Further east is a range of limestone, 1000 feet higher, which sinks down gently into the plateau of the Arabian Desert. (*Biblical Dictionary*, vol. i. p. 448.)

<sup>17</sup> Stanley, p. 88.

the tract was a rude square or oblong, with its sides nearly facing the four cardinal points, its length from the Mediterranean to the Gulf of Akabah being 130 miles, and its width from the Wady-el-Arish to the eastern side of the Petra mountains 120 miles. The area is thus about 1560 square miles.

Beyond the Wady-el-Arish was Egypt, stretching from the Mediterranean southwards a distance of nearly eight degrees, or more than 550 miles. As this country was not, however, so much a part of the Babylonian Empire as a dependency lying upon its borders, it will not be necessary to describe it in this place.

One region, however, remains still unnoticed which seems to have been an integral portion of the Empire. This is Palmyrêné, or the Syrian Desert — the tract lying between Cœle-Syria on the one hand and the valley of the middle Euphrates on the other, and abutting towards the south on the great Arabian Desert, to which it is sometimes regarded as belonging.<sup>18</sup> It is for the most part a hard sandy or gravelly plain, intersected by low rocky ranges, and either barren or productive only of some sapless shrubs and of a low thin grass. Occasionally, however, there are oases, where the fertility is considerable. Such an oasis is the region about Palmyra itself, which derived its name from the palm groves in the vicinity;<sup>19</sup> here the soil is good, and a large tract is even now under cultivation. Another oasis is that of Karyateïn, which is watered by an abundant stream, and is well wooded, and productive of grain.<sup>20</sup> The Palmyrêné, however, as a whole, possesses but little value, except as a passage country. Though large armies can never have traversed the desert even in this upper region, where it is comparatively narrow, trade in ancient times found it expedient to avoid the long *détour* by the Orontes Valley, Aleppo, and Bambuk, and to proceed directly from Damascus by way of Palmyra to Thapsacus on the Euphrates. Small bands of light troops also occasionally took the same course; and the great saving of dis-

<sup>18</sup> Chesney, *Euphrates Expedition*, vol. i. p. 559.

<sup>19</sup> Such, at least, is the common opinion; and the name Tadmor is

thought to have had a similar meaning. But both derivations are doubtful. (See Stanley, p. 8, note.)

<sup>20</sup> Chesney, vol. i. pp. 522 and 580.

tance thus effected made it important to the Babylonians to possess an authority<sup>1</sup> over the region in question.

Such, then, in its geographical extent, was the great Babylonian Empire. Reaching from Luristan on the one side to the borders of Egypt on the other, its direct length from east to west was nearly sixteen degrees, or about 980 miles, while its length for all practical purposes, owing to the interposition of the desert between its western and its eastern provinces, was perhaps not less than 1400 miles. Its width was very disproportionate to this. Between Zagros and the Arabian Desert, where the width was the greatest, it amounted to about 280 miles; between Amanus and Palmyra it was 250; between the Mons Masius and the middle Euphrates it may have been 200; in Syria and Idumæa it cannot have been more than 100 or 160. The entire area of the Empire was probably from 240,000 to 250,000 square miles—which is about the present size of Austria. Its shape may be compared roughly to a gnomon, with one longer and one shorter arm.

It added to the inconvenience of this long straggling form, which made a rapid concentration of the forces of the Empire impossible, that the capital, instead of occupying a central position, was placed somewhat low in the longer of the two arms of the gnomon, and was thus nearly 1000 miles removed from the frontier province of the west. Though in direct distance, as the crow flies, Babylon is not more than 450 miles from Damascus, or more than 520 from Jerusalem, yet the necessary *détour* by Aleppo is so great, that it lengthens the distance, in the one case by 250, in the other by 380 miles. From so remote a centre it was impossible for the lifeblood to circulate very vigorously to the extremities.

The Empire was on the whole fertile and well-watered. The two great streams of Western Asia—the Tigris and the Euphrates—which afforded an abundant supply of the invaluable fluid to the most important of the provinces, those of the

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<sup>1</sup> This authority is proved by the march of Nebuchadnezzar through the region. (Beros. ap. Joseph. *contr. Ap.* i. 20: Αὐτὸς ὁρμήσας ὀλίγους παρεγένετο διὰ τῆς ἐρήμου εἰς Βαβυλῶνα.

south-east, have already been described at length;<sup>2</sup> as have also the chief streams of the Mesopotamian district, the Belik and the Khabour.<sup>3</sup> But as yet in this work no account has been given of a number of important rivers in the extreme east and the extreme west, on which the fertility, and so the prosperity of the Empire very greatly depended. It is proposed in the present place to supply this deficiency.

The principal rivers of the extreme east were the Choaspes, or modern Kerkhah, the Pasitigris or Eulæus, now the Kuran, the Hedyphon or Hedyfnus, now the Jerahi, and the Oroatis, at present the Tab or Hindyan. Of these, the Oroatis, which is the most eastern, belongs perhaps more to Persia than to Babylon; but its lower course probably fell within the Susianian territory. It rises in the mountains between Shiraz and Persepolis,<sup>4</sup> about lat. 29° 45', long. 52° 35' E.; and flows towards the Persian Gulf with a course which is north-west to Failiyun, then nearly W. to Zehitun, after which it becomes somewhat south of west to Hindyan, and then S.W. by S. to the sea. The length of the stream, without counting lesser windings, is 200 miles; its width at Hindyan, sixteen miles above its mouth, is eighty yards,<sup>5</sup> and to this distance it is navigable for boats of twenty tuns burthen.<sup>6</sup> At first its waters are pure and sweet, but they gradually become corrupted, and at Hindyan they are so brackish as not to be fit for use.<sup>7</sup>

The Jerahi rises from several sources in the Kuh Margun,<sup>8</sup> a lofty and precipitous range, forming the continuation of the chain of Zagros, about long. 50° to 51°, and lat. 31° 30'. These head-streams have a general direction from N.E. to S.W. The principal of them is the Kurdistan river, which rises about fifty miles to the north-east of Babahan, and flowing south-west to that point, then bends round to the north, and runs north-west nearly to the fort of Mungasht, where it resumes its original direction, and receiving from the north-east the Abi Zard, or

<sup>2</sup> See vol. i. pp. 6-14.

<sup>3</sup> Ibid. pp. 187, 188.

<sup>4</sup> Kinneir, *Persian Empire*, p. 57; Chesney, *Euphrates Expedition*, vol. i. p. 202.

<sup>5</sup> Kinneir, l. s. c.

<sup>6</sup> Chesney, l. s. c. The Tab was ascended in 1836 by Lieut. Whitelocke, of the Indian Navy.

<sup>7</sup> Kinneir, l. s. c.

<sup>8</sup> Chesney, vol. i. p. 200.

"Yellow River" — a delightful stream of the coldest and purest water possible<sup>9</sup> — becomes known as the Jerahi,<sup>10</sup> and carries a large body of water as far as Fellahiyeh or Dorak. Near Dorak the waters of the Jerahi are drawn off into a number of canals, and the river is thus greatly diminished;<sup>11</sup> but still the stream struggles on, and proceeds by a southerly course towards the Persian Gulf, which it enters near Gadi in long. 48° 52'. The course of the Jerahi, exclusively of the smaller windings, is about equal in length to that of the Tab or Hindyan. In volume, before its dispersion, it is considerably greater than that river. It has a breadth of about a hundred yards<sup>12</sup> before it reaches Babahan, and is navigable for boats almost from its junction with the Abi Zard. Its size is, however, greatly reduced in its lower course, and travellers who skirt the coast regard the Tab as the more important river.<sup>13</sup>

The Kuran is a river very much exceeding in size both the Tab and the Jerahi.<sup>14</sup> It is formed by the junction of two large streams — the Dizful river and the Kuran proper, or river of Shuster. Of these the Shuster stream is the more eastern. It rises in the Zarduh Kuh, or "Yellow Mountain,"<sup>15</sup> in lat. 32°, long. 51°, almost opposite to the river of Isfahan. From its source it is a large stream. Its direction is at first to the south-east, but after a while it sweeps round and runs considerably north of west; and this course it pursues through the mountains, receiving tributaries of importance from both sides, till, near Akhili, it turns round to the south, and, cutting at a right angle the outermost of the Zagros ranges, flows down with a course S.W. by S. nearly to Shuster, where, in consequence of a bund or dam<sup>1</sup> thrown across it, it bifurcates, and passes in

<sup>9</sup> Sir H. Rawlinson, in the *Journal of the Geographical Society*, vol. ix. p. 81.

<sup>10</sup> This name is commonly used in the country. It is unknown, however, to the Arabian geographers.

<sup>11</sup> Chesney, vol. i. p. 201; Kinneir, p. 88.

<sup>12</sup> Three hundred and fifty feet. (Chesney, vol. i. p. 200.)

<sup>13</sup> This was the conclusion of Macdonald Kinneir, who travelled from

Bushire to Hindyan, and thence to Dorak. (*Persian Empire*, pp. 56, 57.)

<sup>14</sup> Kinneir, p. 87. This writer goes so far as to say that the Kuran, in its lower course, contains "a greater body of water than either the Tigris or the Euphrates separately considered." (Ib. p. 293.)

<sup>15</sup> Chesney, vol. i. p. 197; *Geographical Journal*, vol. xvi. p. 50.

<sup>1</sup> This is the famous "Bund of Sha-

two streams to the right and to the left of the town. The right branch, which carried commonly about two-thirds of the water,<sup>2</sup> proceeds by a tortuous course of nearly forty miles, in a direction a very little west of south, to its junction with the Dizful stream, which takes place about two miles north of the little town of Bandi-kir. Just below that town the left branch, called at present Abi-Gargar,<sup>3</sup> which has made a considerable bend to the east, rejoins the main stream, which thenceforth flows in a single channel. The course of the Kuran from its source to its junction with the Dizful branch, including main windings, is about 210 miles. The Dizful branch rises from two sources, nearly a degree apart,<sup>4</sup> in lat. 33° 50'. These streams run respectively south-east and south-west, a distance of forty miles, to their junction near Bahreïn,<sup>5</sup> whence their united waters flow in a tortuous course with a general direction of south, for above a hundred miles to the outer barrier of Zagros, which they penetrate near the Diz fort, through a succession of chasms and gorges.<sup>6</sup> The course of the stream from this point is south-west through the hills and across the plain, past Dizful, to the place where it receives the Balad-rud from the west, when it changes and becomes first south and then south-east to its junction with the Shuster river near Bandi-kir.<sup>7</sup> The entire course of the Dizful stream to this point is probably not less than 280 miles.<sup>8</sup> Below Bandi-kir, the Kuran, now become "a noble river, exceeding in size the Tigris and Euphrates,"<sup>9</sup> meanders across the plain in a general direction of S.S.W., past the towns of Uris, Ahwaz, and Ismaili, to Sablah, when it turns more to the west, and passing Mohammerah, empties itself into the

pur," constructed by the conqueror of Valerian. The whole process of construction has been accurately described by Sir H. Rawlinson in the *Geographical Journal*, vol. ix. pp. 73-76.

<sup>2</sup> Hence called the Chahar Dangah (four parts) by the historians of Timur, while the left branch is called the Du Dangah (two parts). See Pétis de la Croix, tom. ii. p. 183.

<sup>3</sup> *Geographical Journal*, vol. ix. p. 74.

<sup>4</sup> Chesney, *Euphrates Expedition*, vol. i. p. 196; *Geographical Journal*, vol. ix. p. 67.

<sup>5</sup> Bahreïn means "the two rivers."

<sup>6</sup> *Geographical Journal*, l. s. c.

<sup>7</sup> Bandi-kir is erroneously called Bundakeel by Macdonald Kinneir (*Persian Empire*, p. 87), and Benderghil by Mr. Loftus. (*Chaldæa and Susiana*, Map to illustrate journeys). The word is formed from *kir*, "bitumen," because in the dyke at this place the stones are cemented with that substance. (*Geograph. Journal*, l. s. c.)

<sup>8</sup> This is the estimate of Col. Chesney. (*Euphrates Expedition*, vol. i. p. 197.)

<sup>9</sup> *Geographical Journal*, vol. xvi. p. 52.

Shat-el-Arab,<sup>10</sup> about 22 miles below Busra. The entire course of the Kuran from its most remote source, exclusive of the lesser windings, is not less than 430 miles.

The Kerkhah (anciently the Choaspes<sup>11</sup>) is formed by three streams of almost equal magnitude, all of them rising in the most eastern portion of the Zagros range. The central of the three flows from the southern flank of Mount Elwand (Orontes), the mountain behind Hamadan (Ecbatana), and receives on the right, after a course of about thirty miles, the northern or Singur branch, and ten miles further on the southern or Guran branch, which is known by the name of the Gamas-ab. The river thus formed flows westward to Behistun, after which it bends to the south-west, and then to the south, receiving tributaries on both hands, and winding among the mountains as far as the ruined city of Rudbar. Here it bursts through the outer barrier of the great range, and, receiving the large stream of the Kirrind from the north-west, flows S.S.E. and S.E. along the foot of the range, between it and the Kebir Kuh, till it meets the stream of the Abi-Zal, when it finally leaves the hills and flows through the plain, pursuing a S.S.E. direction to the ruins of Susa, which lie upon its left bank, and then turning to the S.S.W., and running in that direction to the Shat-el-Arab, which it reaches about five miles below Kurnah. Its length is estimated at above 500 miles; its width, at some distance above its junction with the Abi-Zal, is from eighty to a hundred yards.<sup>12</sup>

The course of the Kerkhah was not always exactly such as is here described. Anciently it appears to have bifurcated at Pai Pul, 18 or 20 miles N.W. of Susa, and to have sent a branch

<sup>10</sup> Naturally, the Kuran has a course of its own by which it enters the Persian Gulf. This channel runs south-east from Sablah, nearly parallel to the Bah-a-Mishir, and is about 200 yards broad. (Chesney, p. 199.) But almost all the water now passes by the Hafar canal—an artificial cutting—into the Shat-el-Arab.

<sup>11</sup> On the identity of these streams see the author's *Herodotus*, vol. i. p. 260, 2nd edition; and compare Kinneir's

*Persian Empire*, pp. 104, 105; Chesney, *Euphrates Expedition*, vol. i. p. 204; *Geographical Journal*, vol. ix. pp. 87-93; vol. xvi. pp. 91-94; Loftus, *Chaldaea and Susiana*, pp. 425-430.

<sup>12</sup> The course of the Kerkhah was carefully explored by Sir H. Rawlinson in the year 1836, and is accurately laid down in the map accompanying his *Memoir*. (See *Journal of the Geographical Society*, vol. ix. pp. 49-93, and map opp. p. 120.)



east of the Susa ruins, which absorbed the Shapur, a small tributary of the Dizful stream, and ran into the Kuran a little above Ahwaz.<sup>13</sup> The remains of the old channel are still to be traced;<sup>14</sup> and its existence explains the confusion, observable in ancient times, between the Kerkhah and the Kuran, to each of which streams, in certain parts of their course, we find the name Eulæus applied.<sup>15</sup> The proper Eulæus (Ulai) was the eastern branch of the Kerkhah (Choaspes) from Pai Pul to Ahwaz; but the name was naturally extended both northwards to the Choaspes above Pai Pul<sup>16</sup> and southwards to the Kuran below Ahwaz.<sup>17</sup> The latter stream was, however, known also, both in its upper and its lower course, as the Pasitigris.

On the opposite side of the Empire the rivers were less considerable. Among the most important may be mentioned the Sajur, a tributary of the Euphrates, the Koweik, or river of Aleppo, the Orontes, or river of Antioch, the Litany, or river of Tyre, the Barada, or river of Damascus, and the Jordan, with its tributaries, the Jabbok and the Hieromax.

The Sajur rises from two principal sources on the southern flanks of Amanus, which, after running a short distance, unite a little to the east of Ain-Tab.<sup>18</sup> The course of the stream from the point of junction is south-east. In this direction it flows in a somewhat tortuous channel between two ranges of hills for a distance of about 30 miles to Tel Khalid, a remarkable conical hill crowned by ruins. Here it receives an important affluent—the Keraskat—from the west, and becomes suitable for boat navigation. At the same time its course changes, and runs eastward for about 12 miles; after which the stream again inclines to the south, and keeping an E.S.E. direction for 14 or 15 miles, enters the Euphrates by five mouths in about lat. 36° 37'. The course of the river measures probably about 65 miles.

<sup>13</sup> Loftus, *Chaldea and Susiana*, pp. 424–431.

<sup>14</sup> *Ibid.* pp. 424, 425.

<sup>15</sup> See an article by the author on this subject in Smith's *Biblical Dictionary*, vol. iii. pp. 1586, 1587, ad voc. ULAI.

<sup>16</sup> Plin. *H. N.* vi. 31.

<sup>17</sup> Arrian, *Exp. Al.* vii. 7.

<sup>18</sup> For a full account of the Sajur, see Chesney, *Euphrates Expedition*, vol. i. p. 419.

The Koweik, or river of Aleppo (the Chalus of Xenophon<sup>19</sup>), rises in the hills south of Ain-Tab. Springing from two sources, one of which is known as the Baloklu-Su, or "Fish River,"<sup>20</sup> it flows at first eastward, as if intending to join the Euphrates. On reaching the plain of Aleppo, however, near Sayyadok-Koî, it receives a tributary from the north, which gives its course a southern inclination; and from this point it proceeds in a south and south-westerly direction, winding along the shallow bed which it has scooped in the Aleppo plain, a distance of 60 miles, past Aleppo to Kinnisrin, near the foot of the Jebel-el-Sis.<sup>21</sup> Here its further progress southward is barred, and it is forced to turn to the east along the foot of the mountain, which it skirts for eight or ten miles, finally entering the small lake or marsh of El Melak, in which it loses itself after a course of about 80 miles.

The Orontes, the great river of Assyria, rises in the Buka'a—the deep valley known to the ancients as Cœle-Syria Proper—springing from a number of small brooks,<sup>1</sup> which flow down from the Antilibanus range between lat. 34° 5' and lat. 34° 12'. Its most remote source is near Yunin, about seven miles N.N.E. of Baalbek. The stream flows at first N.W. by W. into the plain, on reaching which it turns at a right-angle to the north-east, and skirts the foot of the Antilibanus range as far as Lebweh, where, being joined by a larger stream from the south-east,<sup>2</sup> it takes its direction and flows N.W. and then N. across the plain to the foot of Lebanon. Here it receives the waters of a much more abundant fountain, which wells out from the roots of that range,<sup>3</sup> and is regarded by the Orientals as the true "head of the stream."<sup>4</sup> Thus increased the river flows

<sup>19</sup> *Anab.* i. 4, § 9.

<sup>20</sup> Ainsworth's *Travels in the Track of the Ten Thousand*, p. 63; Chesney, vol. i. p. 412. Xenophon remarks that the Chalus was "full of large fish" (κατά-ρως ἰχθύων μεγάλων).

<sup>21</sup> See Chesney, vol. i. pp. 412, 413, and Porter, *Handbook of Syria*, vol. ii. pp. 610, 611.

<sup>1</sup> See Chesney, vol. i. p. 394, and compare the excellent map in Mr. Porter's *Handbook of Syria*, from which much of the description in the text is taken.

<sup>2</sup> Mr. Porter himself regards this spring as the proper source of the Orontes. (*Handbook*, p. 575.)

<sup>3</sup> *Geographical Journal*, vol. vii. pp. 99, 100; vol. xxvi. p. 53; *Handbook of Syria*, p. 576. Col. Chesney erroneously places this fountain "at the foot of the Anti-Lebanon." (*Euphrates Expedition*, vol. i. l. s. c.)

<sup>4</sup> It is called the *Ain el Asy*, or "Fountain of the El Asy" (Orontes), and is perhaps the same with the *Ain* of Numbers xxxiv. 11.

northwards for a short space, after which it turns to the north-east, and runs in a deep cleft<sup>5</sup> along the base of Lebanon, pursuing this direction for 15 or 16 miles to a point beyond Ribleh, nearly in lat.  $34^{\circ} 30'$ . Here the course of the river again changes, becoming slightly west of north to the Lake of Hems (Buheiret-Hems), which is nine or ten miles below Ribleh. Issuing from the Lake of Hems about lat.  $34^{\circ} 43'$ , the Orontes once more flows to the north-east, and in five or six miles reaches Hems itself, which it leaves on its right bank. It then flows for twenty miles nearly due north, after which, on approaching Hamah (Hamath), it makes a slight bend to the east round the foot of Jebel Erbayn,<sup>6</sup> and then entering the rich pasture country of El-Ghab, runs north-west and north to the "Iron Bridge" (Jisr Hadid), in lat.  $36^{\circ} 11'$ . Its course thus far has been nearly parallel with the coast of the Mediterranean, and has lain between two ranges of mountains, the more western of which has shut it out from the sea. At Jisr Hadid the western mountains come to an end, and the Orontes, sweeping round their base, runs first west and then south-west down the broad valley of Antioch, in the midst of the most lovely scenery,<sup>7</sup> to the coast, which it reaches a little above the 36th parallel, in long.  $35^{\circ} 55'$ . The course of the Orontes, exclusive of lesser windings, is about 200 miles. It is a considerable stream almost from its source.<sup>8</sup> At Hamah, more than a hundred miles from its mouth, it is crossed by a bridge of thirteen arches.<sup>9</sup> At Antioch it is fifty yards in width,<sup>10</sup> and runs rapidly. The natives now call it the Nahr-el-Asy, or "Rebel River," either from its running in an opposite direc-

<sup>5</sup> From 200 to 400 feet in depth. (Porter, *Handbook*, l. s. c.)

<sup>6</sup> Chesney, vol. i. p. 395.

<sup>7</sup> Dean Stanley says the scenery here has been compared to that of the Wye (*Sinai and Palestine*, p. 400). Colonel Chesney speaks of "richly picturesque slopes;" "striking scenery;" "steep and wooded hills;" "banks adorned with the oleander, the arbutus, and other shrubs." (*Euphrates Expedition*, vol. i. p. 397.) Mr. Porter says, "The

bridle-path along the bank of the Orontes winds through luxuriant shrubberies. Tangled thickets of myrtle, oleander, and other flowering shrubs, make a gorgeous border to the stream." (*Handbook*, p. 602.) Only a little south of the Orontes, in this part of its course, was the celebrated Daphne.

<sup>8</sup> Porter, *Handbook*, p. 576.

<sup>9</sup> Burckhardt, *Travels in Syria*, p. 143.

<sup>10</sup> Porter, p. 603.

tion to all the other streams of the country,<sup>11</sup> or (more probably) from its violence and impetuosity.<sup>12</sup>

There is one tributary of the Orontes which deserves a cursory mention. This is the Kara Su, or "Black River," which reaches it from the Aga Denghis, or Bahr-el-Abiyad, about five miles below Jisr Hadid and four or five above Antioch. This stream brings into the Orontes the greater part of the water that is drained from the southern side of Amanus. It is formed by a union of two rivers, the upper Kara Su and the Afrin, which flow into the Aga Denghis (White Sea), or Lake of Antioch, from the north-west, the one entering it at its northern, the other at its eastern extremity. Both are considerable streams; and the Kara Su, on issuing from the lake, carries a greater body of water than the Orontes itself,<sup>13</sup> and thus adds largely to the volume of that stream in its lower course from the point of junction to the Mediterranean.

The Litany, or river of Tyre, rises from a source at no great distance from the head springs of the Orontes. The almost imperceptible watershed of the Buka'a runs between Yunin and Baalbek, a few miles north of the latter;<sup>14</sup> and when it is once passed, the drainage of the water is southwards. The highest permanent fountain of the southern stream seems to be a small lake near Tel Hushben,<sup>15</sup> which lies about six miles to the south-west of the Baalbek ruins. Springing from this source the Litany flows along the lower Buka'a in a direction which is generally a little west of south, receiving on either side a number of streamlets and rills from Libanus and Antilibanus, and giving out in its turn numerous canals for irrigation, which fertilise the thirsty soil. As the stream descends with numerous windings, but still with the same general course, the valley of the Buka'a contracts more and more, till finally it terminates in a gorge, down which thunders the Litany—a gorge a thousand feet or more in depth, and so

<sup>11</sup> This is Mr. Porter's explanation. (*Handbook*, p. 576.)

<sup>12</sup> So Schwarze, as quoted by Dean Stanley (*Sinai and Palestine*, p. 275).

<sup>13</sup> Chesney, *Euphrates Expedition*, vol. i. p. 396.

<sup>14</sup> Porter, *Handbook*, p. 575. The elevation of the watershed above the sea-level is about 3200 feet.

<sup>15</sup> Burckhardt, *Travels in Syria*, p. 10; Chesney, *Euphrates Expedition*, vol. i. p. 398.

narrow, that in one place it is actually bridged over by masses of rock which have fallen from the jagged sides.<sup>16</sup> Narrower and deeper grows the gorge, and the river chafes and foams through it,<sup>17</sup> gradually working itself round to the west, and so clearing a way through the very roots of Lebanon to the low coast tract, across which it meanders slowly,<sup>18</sup> as if wearied with its long struggle, before finally emptying itself into the sea. The course of the Litany may be roughly estimated at from 70 to 75 miles.

The Barada, or river of Damascus, rises in the plain of Zebdany—the very centre of the Antilibanus. It has its real permanent source in a small nameless lake<sup>19</sup> in the lower part of the plain, about lat. 33° 41'; but in winter it is fed by streams flowing from the valley above, especially by one which rises in lat. 33° 46', near the small hamlet of Ain Hawar.<sup>20</sup> The course of the Barada from the small lake is at first towards the east; but it soon sweeps round and flows southward for about four miles to the lower end of the plain, after which it again turns to the east and enters a romantic glen, running between high cliffs,<sup>21</sup> and cutting through the main ridge of the Antilibanus between the Zebdany plain and Suk, the Abila of the ancients.<sup>22</sup> From Suk the river flows through a narrow but lovely valley, in a course which has a general direction of south-east, past Ain Fijeh (where its waters are greatly increased),<sup>23</sup> through a series of gorges and glens, to the point where the roots of the Antilibanus sink down upon the plain, when it bursts forth from the mountains and scatters.<sup>24</sup> Channels are drawn from it on either side, and its waters are spread far and wide over the Merj, which it covers with fine trees and splendid herbage.

<sup>16</sup> Porter, p. 571; Robinson, *Later Researches*, p. 423.

<sup>17</sup> Ibid. pp. 386, 387.

<sup>18</sup> Chesney, *Euphrates Expedition*, vol. i. p. 398.

<sup>19</sup> Porter, p. 557. The elevation of the plain of Zebdany is about 3500 feet.

<sup>20</sup> Col. Chesney makes this the proper source of the Barada (*Euphrates Expedition*, vol. i. p. 502). Its true character is pointed out by Mr. Porter (*Handbook*,

p. 558). Compare Robinson, *Later Researches*, p. 487.

<sup>21</sup> Porter, p. 557.

<sup>22</sup> On the proofs of this identity see Robinson, *Later Researches*, pp. 480–484.

<sup>23</sup> Porter, p. 555; Robinson, p. 476. The quantity of water given out by this fountain considerably exceeds that carried by the Barada above it.

<sup>24</sup> See the excellent description in Stanley's *Sinai and Palestine*, p. 402.

One branch passes right through the city, cutting it in half. Others irrigate the gardens and orchards both to the north and to the south. Beyond the town the tendency to division still continues. The river, weakened greatly through the irrigation, separates into three main channels, which flow with divergent courses towards the east, and terminate in two large swamps or lakes, the Bahret-esh-Shurkiyeh and the Bahret-el-Kibliyeh,<sup>25</sup> at a distance of sixteen or seventeen miles from the city. The Barada is a short stream, its entire course from the plain of Zebdany not much exceeding forty miles.<sup>1</sup>

The Jordan is commonly regarded as flowing from two sources in the Huleh or plain immediately above Lake Merom, one at Banias (the ancient Paneas), the other at Tel-el-kady, which marks the site of Laish or Dan.<sup>2</sup> But the true highest present source of the river is the spring near Hasbeiya, called Neba-es-Hasbany, or Ras-en-Neba.<sup>3</sup> This spring rises in the torrent-course known as the Wady-el-Teim, which descends from the north-western flank of Hermon, and runs nearly parallel with the great gorge of the Litany, having a direction from north-east to south-west. The water wells forth in abundance from the foot of a volcanic bluff, called Ras-el-Anjah, lying directly north of Hasbeiya, and is immediately used to turn a mill. The course of the streamlet is very slightly west of south down the Wady to the Huleh plain, where it is joined, and multiplied sevenfold,<sup>4</sup> by the streams from Banais and Tel-el-Kady, becoming at once worthy of the name of river. Hence it runs almost due south to the Merom lake, which it enters in lat. 33° 7', through a reedy and marshy tract which it is difficult to

<sup>25</sup> Porter, in the *Bibliotheca Sacra*, April, 1854, pp. 329-344; Robinson, *Later Researches*, pp. 450, 451.

<sup>1</sup> Mr. Porter estimates the course of the Barada, from the place where it leaves the mountains to the two lakes, at 20 miles. (*Handbook*, p. 496.) Its course among the mountains seems to be of about the same length.

<sup>2</sup> These sources have been described by many writers. The best description is perhaps that of Stanley (*Sinai and Palestine*, pp. 386-391); but compare

Robinson, *Later Researches*, pp. 390 and 406; and Porter, *Handbook*, pp. 436 and 445.

<sup>3</sup> Robinson, p. 378; Porter, pp. 451, 452; Lynch, *Narrative of an Expedition to the Dead Sea*, p. 315.

<sup>4</sup> Dr. Robinson estimates the volume of the Banias source as double that of the Hasbeiya stream, and the volume of the Tel-el-Kady fountain as double that of the Banias one. (*Later Researches*, p. 395.)

penetrate.<sup>5</sup> Issuing from Merom in lat.  $33^{\circ} 3'$ , the Jordan flows at first sluggishly<sup>6</sup> southward to "Jacob's Bridge," passing which, it proceeds in the same direction, with a much swifter current, down the depressed and narrow cleft between Merom and Tiberias, descending at the rate of fifty feet in a mile,<sup>7</sup> and becoming (as has been said) a sort of "continuous waterfall."<sup>8</sup> Before reaching Tiberias, its course bends slightly to the west of south for about two miles, and it pours itself into that "sea" in about lat.  $32^{\circ} 53'$ . Quitting the sea in lat.  $32^{\circ} 42'$ , it finally enters the track called the Ghor, the still lower chasm or cleft which intervenes between Tiberias and the upper end of the Dead Sea. Here the descent of the stream becomes comparatively gentle, not much exceeding three feet per mile; for though the direct distance between the two lakes is less than seventy miles, and the entire fall above 600 feet, which would seem to give a descent of nine or ten feet a mile, yet, as the course of the river throughout this part of its career is tortuous in the extreme,<sup>9</sup> the fall is really not greater than above indicated. Still it is sufficient to produce as many as twenty-seven rapids,<sup>10</sup> or at the rate of one to every seven miles. In this part of its course the Jordan receives two important tributaries, each of which seems to deserve a few words.

The Jarmuk, or Sheriat-el-Mandhur, anciently the Hieromax, drains the water, not only from Gaulonitis or Jaulan, the country immediately east and south-east of the sea of Tiberias, but also from almost the whole of the Hauran.<sup>11</sup> At its mouth it is

<sup>5</sup> Robinson, *Researches*, vol. iii. p. 340.

<sup>6</sup> See Col. Wildenbruch's account in the *Journal of the Geographical Society*, vol. xx. p. 228; and compare Lynch, *Narrative*, p. 311; Porter, *Handbook*, p. 427. Col. Chesney exactly inverts the real facts of the case. (*Euphrates Expedition*, vol. i. p. 400.)

<sup>7</sup> The fall between the lakes of Merom and Tiberias appears to be from 600 to 700 feet. The direct distance is little more than 9 miles. As the river does not here meander much, its entire course can scarcely exceed 13 or 14 miles. According to these numbers, the fall would be between 43 and 54 feet per mile.

<sup>8</sup> Col. Wildenbruch, in *Geographical Journal*, vol. xx. p. 228. Compare Porter, *Handbook*, p. 427; Lynch, *Narrative*, p. 311; Petermann, in *Geographical Journal*, vol. xviii. p. 103; &c.

<sup>9</sup> The 70 miles of actual length are increased by these multitudinous windings to 200. (*Geographical Journal*, vol. xviii. p. 94, note; Stanley, *Sinai and Palestine*, p. 277.) The remark of the English sailors deserves to be remembered — "The Jordan is the crookedest river what is." (*Journal of the Asiatic Society*, vol. xviii. p. 113.)

<sup>10</sup> Stanley, p. 276.

<sup>11</sup> Porter, *Handbook*, p. 321.

130 feet wide,<sup>12</sup> and in the winter it brings down a great body of water into the Jordan. In summer, however, it shrinks up into an inconsiderable brook, having no more remote sources than the perennial springs at Mazarib, Dilly, and one or two other places on the plateau of Jaulan. It runs through a fertile country, and has generally a deep course far below the surface of the plain; ere falling into the Jordan it make its way through a wild ravine, between rugged cliffs of basalt, which are in places upwards of a hundred feet in height.

The Zurka, or Jabbok, is a stream of the same character with the Hieromax, but of inferior dimensions and importance. It drains a considerable portion of the land of Gilead, but has no very remote sources, and in summer only carries water through a few miles of its lower course.<sup>13</sup> In winter, on the contrary, it is a roaring stream with a strong current, and sometimes cannot be forded. The ravine through which it flows is narrow, deep, and in some places wild. Throughout nearly its whole course it is fringed by thickets of cane and oleander, while above, its banks are clothed with forests of oak.

The Jordan receives the Hieromax about four or five miles below the point where it issues from the Sea of Tiberias, and the Jabbok about half-way between that lake and the Dead Sea. Augmented by these streams, and others of less importance from the mountains on either side, it becomes a river of considerable size, being opposite Beth-shan (*Beisan*) 140 feet wide, and three feet deep,<sup>14</sup> and averaging, in its lower course, a width of ninety with a depth of eight or nine feet.<sup>15</sup> Its entire course, from the fountain near Hasbeiya to the Dead Sea, including the passage of the two lakes through which it flows, is, if we exclude meanders, about 130, if we include them, 260 miles. It is calculated to pour into the Dead Sea 6,090,000 tons of water daily.<sup>16</sup>

<sup>12</sup> Porter, *Handbook*, p. 321. Mr. Porter is the authority for this entire notice of the Hieromax. He is far more accurate than Col. Chesney. (*Euphrates Expedition*, vol. i. p. 401.)

<sup>13</sup> Porter, *Handbook*, p. 310; *Biblical Dictionary*, vol. i. p. 909.

<sup>14</sup> Chesney, vol. i. p. 401; Irby and Mangles, p. 304; Burckhardt, *Travels in Syria*, p. 345.

<sup>15</sup> Petermann, in the *Journal of the Geographical Society*, vol. xviii. p. 95.

<sup>16</sup> Chesney, l. s. c.



Besides these rivers the Babylonian territory comprised a number of important lakes. Of these some of the more eastern have been described in a former volume: as the Bahr-i-Nedjif in Lower Chaldæa,<sup>17</sup> and the Lake of Khatouniyeh in the tract between the Sinjar and the Khabour.<sup>18</sup> It was chiefly, however, towards the west that sheets of water abounded: the principal of these were the Sabakhah, the Bahr-el-Melak, and the Lake of Antioch in Upper Syria; the Bahr-el-Kades, or Lake of Hems, in the central region; and the Damascus lakes, the Lake of Merom, the Sea of Galilee or Tiberias, and the Dead Sea, in the regions lying furthest to the south. Of these the greater number were salt, and of little value, except as furnishing the salt of commerce; but four—the Lake of Antioch, the Bahr-el-Kades, the Lake Merom, and the Sea of Galilee—were fresh-water basins lying upon the courses of streams which ran through them; and these not only diversified the scenery by their clear bright aspect, but were of considerable value to the inhabitants, as furnishing them with many excellent sorts of fish.

Of the salt lakes the most eastern was the Sabakhah. This is a basin of long and narrow form, lying on and just below the 36th parallel. It is situated on the southern route from Balis to Aleppo, and is nearly equally distant between the two places. Its length is from twelve to thirteen miles; and its width, where it is broadest, is about five miles. It receives from the north the waters of the Nahr-el-Dhahab, or “Golden River” (which has by some been identified with the Daradax of Xenophon<sup>1</sup>), and from the west two or three insignificant streams, which empty themselves into its western extremity. The lake produces a large quantity of salt, especially after wet seasons, which is collected and sold by the inhabitants of the surrounding country.<sup>2</sup>

The Bahr-el-Melak, the lake which absorbs the Koweik, or river of Aleppo, is less than twenty miles distant from Lake Sabakhah, which it very much resembles in its general char-

<sup>17</sup> See vol. i. p. 14.

<sup>18</sup> Ibid. p. 189.

<sup>1</sup> So Col. Chesney (*Euphrates Expedition*, vol. i. p. 415). Mr. Ainsworth com-

bats the view, and endeavours to show that the Daradax was a branch of the Euphrates. (*Travels in the Track*, pp. 65, 66.) <sup>2</sup> Chesney, i. s. c.

acter. Its ordinary length is about nine miles, and its width three or four; but in winter it is greatly swollen by the rains, and at that time it spreads out so widely that its circumference sometimes exceeds fifty miles.<sup>3</sup> Much salt is drawn from its bed in the dry season, and a large part of Syria is hence supplied with the commodity. The lake is covered with small islands, and greatly frequented by aquatic birds—geese, ducks, flamingoes, and the like.

The lakes in the neighbourhood of Damascus are three in number, and are all of a very similar type. They are indeterminate in size and shape, changing with the wetness or dryness of the season; and it is possible that sometimes they may be all united in one.<sup>4</sup> The most northern, which is called the Bahret-esh-Shurkiyeh, receives about half the surplus water of the Barada, together with some streamlets from the outlying ranges of Antilibanus towards the north.<sup>5</sup> The central one, called the Bahret-el-Kibliyeh, receives the rest of the Barada water, which enters it by three or four branches on its northern and western sides. The most southern, known as Bahret-Hijaneh, is the receptacle for the stream of the Awaaj, and takes also the water from the northern parts of the Ledjah, or region of Argob. The three lakes are in the same line—a line which runs from N.N.E. to S.S.W. They are, or at least were recently, separated by tracts of dry land from two to four miles broad.<sup>6</sup> Dense thickets of tall reeds surround them, and in summer almost cover their surface.<sup>7</sup> Like the Bahr-el-Melak, they are a home for water-fowl, which flock to them in enormous numbers.<sup>8</sup>

By far the largest and most important of the salt lakes is the Great Lake of the South—the Bahr Lut (“Sea of Lot”), or Dead Sea. This sheet of water, which has always attracted the

<sup>3</sup> Chesney (*Euphrates Expedition*, vol. i. p. 413).

<sup>4</sup> Only one lake is recognised by the early travellers and map makers. Even Col. Chesney, writing in 1850, knows apparently but of one. (*Euphrates Expedition*, vol. i. p. 502.) The three lakes were, I believe, first noticed by Mr. Porter, who gave an account of them in

the *Journal of the Geographical Society*, vol. xxvi. pp. 43–46, and in the *Journal of Sacred Literature*, vol. iv. pp. 246–259.

<sup>5</sup> See Mr. Porter's *Handbook*, p. 497.

<sup>6</sup> See the map of Syria attached to the *Handbook*, and likewise to Dr. Robinson's *Later Researches*, ad fin.

<sup>7</sup> Porter, *Handbook*, p. 496.

<sup>8</sup> *Ibid.* p. 497.

special notice and observation of travellers, has of late years been scientifically surveyed by officers of the American navy; and its shape, its size, and even its depth, are thus known with accuracy.<sup>9</sup> The Dead Sea is of an oblong form, and would be of a very regular contour; were it not for a remarkable projection from its eastern shore near its southern extremity. In this place, a long and low peninsula, shaped like a human foot,<sup>10</sup> projects into the lake, filling up two-thirds of its width, and thus dividing the expanse of water into two portions, which are connected by a long and somewhat narrow passage.<sup>11</sup> The entire length of the sea, from north to south, is 46 miles: its greatest width, between its eastern and its western shores, is 10½ miles. The whole area is estimated at 250 geographical square miles.<sup>12</sup> Of this space 17½ square miles belong to the northern portion of the lake (the true "Sea"), 29 to the narrow channel, and 46 to the southern portion, which has been called "the back-water,"<sup>13</sup> or "the lagoon."<sup>14</sup> The most remarkable difference between the two portions of the lake is the contrast they present as to depth. While the depth of the northern portion is from 600 feet, at a short distance from the mouth of the Jordan, to 800, 1000, 1200, and even 1300 feet, further down, the depth of the lagoon is nowhere more than 12 or 13 feet; and in places it is so shallow that it has been found

<sup>9</sup> Great credit is due to the Americans for the spirit which conceived and carried out Captain Lynch's Expedition. The results of the Expedition have been made public partly by means of the *Official Report* published at Baltimore in 1852, but in more detail by Captain Lynch's private *Narrative*, published at London in 1849. An excellent digest of the information contained in these volumes, as well as of the accounts of others, has been compiled by Mr. George Grove, and published in the third volume of Dr. Smith's *Biblical Dictionary*, pp. 1173-1187.

<sup>10</sup> The natives call the peninsula the *Lisan*, comparing its shape with that of the human "tongue."

<sup>11</sup> The passage is narrowed not only by the projecting "tongue," but also by the fact that directly opposite the

tongue there is an extensive beach, composed of chalk, marl, and gypsum, which projects into the natural basin of the lake, a distance of two miles, while the tongue projects about six. Thus the channel is reduced to two miles, or in dry seasons to one. (See Irby and Mangles, *Travels*, p. 454.)

<sup>12</sup> Grove, in *Biblical Dictionary*, vol. i. p. 1174. All these measurements are, it must be remembered, liable to a certain amount of derangement according to the time of year and the wetness or dryness of the season. Lines of drift-wood have been remarked, showing in places a difference of *several miles* in the water edge at different seasons. (Robinson, *Researches*, vol. ii. pp. 488 and 672.)

<sup>13</sup> Irby and Mangles, *Travels*, *passim*.

<sup>14</sup> Grove, in *Biblical Dictionary*, vol. i. p. 1174.

possible, in some seasons, to ford the whole way across from one side to the other.<sup>15</sup> The peculiarities of the Dead Sea, as compared with other lakes, are its depression below the sea-level, its buoyancy, and its extreme saltness. The degree of the depression is not yet certainly known; but there is reason to believe that it is at least as much as 1300 feet,<sup>16</sup> whereas no other lake is known to be depressed more than 570 feet.<sup>17</sup> The buoyancy and the saltness are not so wholly unparalleled. The waters of Lake Urumiyeh are probably as salt and as buoyant;<sup>18</sup> those of Lake Elton in the steppe east of the Wolga, and of certain other Russian lakes, appear to be even saltier.<sup>19</sup> But with these few exceptions (if they are exceptions), the Dead Sea water must be pronounced to be the heaviest and saltiest water known to us. More than one-fourth of its weight is solid matter held in solution. Of this solid matter nearly one-third is common salt, which is more than twice as much as is contained in the waters of the ocean.

Of the fresh-water lakes the largest and most important is the Sea of Tiberias. This sheet of water is of an oval shape, with an axis, like that of the Dead Sea, very nearly due north and south. Its greatest length is about thirteen, and its greatest width about six miles.<sup>20</sup> Its extreme depth, so far as has been ascertained, is 27½ fathoms, or 165 feet.<sup>21</sup> The Jordan flows into its upper end turbid and muddy, and issues forth at its southern extremity clear and pellucid. It receives also the waters of a considerable number of small streams and springs, some of which are warm and brackish; yet its own water is always sweet, cool, and transparent, and laving everywhere a shelving pebbly beach, has a bright sparkling appear-

<sup>15</sup> Seetzen, *Works*, vol. i. p. 428; vol. ii. p. 358; Lynch, *Narrative*, p. 199; Robinson, *Researches*, vol. ii. p. 235.

<sup>16</sup> Setting aside a single barometrical observation—that of Von Schubert in 1857—all the other estimates, however made, give a depression varying between 1200 and 1450 feet. (See Mr. Grove's note, *Biblical Dictionary*, vol. i. p. 1175.)

<sup>17</sup> The lake *Assal*, on the Somaui coast, opposite Aden, is said to be depressed to this extent. (Murchison, in

*Geographical Journal*, vol. xiv. p. cxvi.)

<sup>18</sup> Compare *Geographical Journal*, vol. x. p. 7.

<sup>19</sup> The waters of Lake Elton (*Ielton skoe*) contain from 24 to 28 per cent. of solid matter, while those of the "Red Sea" near Perekop contain about 37 per cent. The waters of the Dead Sea contain about 26 per cent.

<sup>20</sup> Porter, *Handbook*, p. 418; Stanley, *Sinai and Palestine*, p. 362.

<sup>21</sup> Lynch, *Narrative*, p. 96.

ance.<sup>22</sup> The banks are lofty, and in general destitute of verdure. What exactly is the amount of depression below the level of the Mediterranean remains still, to some extent, uncertain; but it is probably not much less than 700 feet.<sup>23</sup> Now, as formerly, the lake produces an abundance of fish, which are pronounced, by those who have partaken of them, to be "delicious."<sup>1</sup>

Nine miles above the Sea of Tiberias, on the course of the same stream, is the far smaller basin known now as the Bahr-el-Huleh, and anciently (perhaps) as Merom.<sup>2</sup> This is a mountain tarn, varying in size as the season is wet or dry,<sup>3</sup> but never apparently more than about seven miles long, by five or six broad.<sup>4</sup> It is situated at the lower extremity of the plain called Huleh, and is almost entirely surrounded by flat marshy ground, thickly set with reeds and canes, which make the lake itself almost unapproachable.<sup>5</sup> The depth of the Huleh is not known. It is a favourite resort of aquatic birds, and is said to contain an abundant supply of fish.<sup>6</sup>

The Bahr-el-Kades, or Lake of Hems, lies on the course of the Orontes, about 139 miles N.N.E. of Merom, and nearly the same distance south of the Lake of Antioch. It is a small sheet of water, not more than six or eight miles long, and only two or three wide,<sup>7</sup> running in the same direction with the

<sup>22</sup> Porter, in *Biblical Dictionary*, vol. i. p. 676.

<sup>23</sup> Schubert estimated the depression of the Sea of Tiberias at 535 Paris feet (*Reise*, vol. iii. p. 231); Bertou at 230·3 metres, or about 700 feet (*Bulletin de la Société de Géogr.* Oct. 1839). Lynch, in his *Narrative* (ed. of 1852), Preface, p. vii, calls it 312 feet; and hence probably Stanley's estimate of 300 (*Sinai and Palestine*, p. 276). Mr. Porter, in 1860, calls it 700 feet (*Biblical Dictionary*, vol. i. p. 676). Mr. Ffoulkes, in the same year, says it is 653 feet (*ibid.* p. 1130). It is to be hoped that a scientific survey of the whole of Palestine will be made before many years are over, and this, with other similar questions, finally settled.

<sup>1</sup> Lynch, *Narrative*, p. 96.

<sup>2</sup> This has been generally assumed; but there are really very slight grounds

for the assumption. Merom is mentioned but in one passage of Scripture (Josh. xi. 5-7); and then not at all distinctly as a lake. Josephus calls the *Bahr-el-Huleh* the Semechonitis.

<sup>3</sup> See the remarks of Col. Wildenbruch in the *Journal of the Geographical Society*, vol. xx. p. 228.

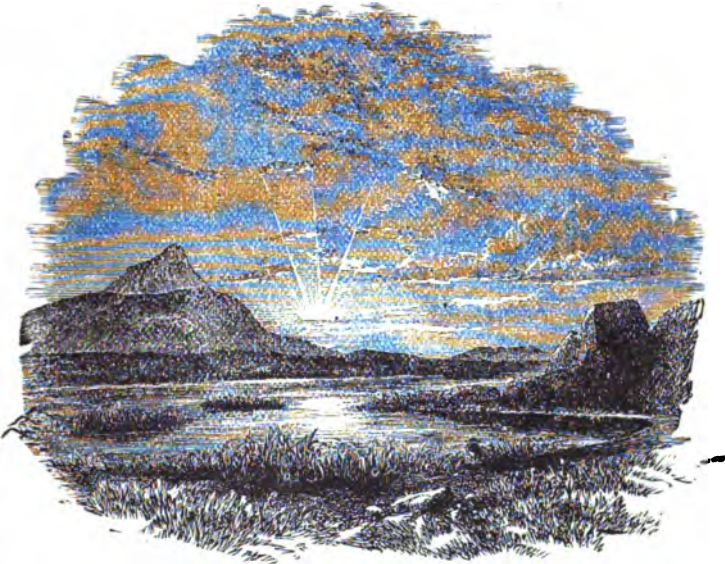
<sup>4</sup> Dean Stanley gives the dimensions of the lake as 7 miles by 6 (*Sinai and Palestine*, p. 382); Col. Chesney as 7 miles by 3½ (*Euphrates Expedition*, vol. i. p. 399, note); Mr. Porter as 4½ miles by 3½ (*Handbook*, p. 435); Dr. Robinson as from 4 to 5 geographical miles by 4 (*Researches*, vol. iii. p. 430); Mr. Grove as 3 miles in each direction (*Biblical Dictionary*, vol. ii. p. 333).

<sup>5</sup> See above, p. 464, note 6.

<sup>6</sup> Chesney, vol. i. p. 400.

<sup>7</sup> Pocock gives the dimensions of the Lake of Hems as 8 miles by 3 (*Descrip-*

course of the river, which here turns from north to north-east. According to Abulfeda<sup>8</sup> and some other writers, it is mainly, if not wholly, artificial, owing its origin to a dam or embankment across the stream, which is from four to five hundred yards in length, and about twelve or fourteen feet high.<sup>9</sup> In Abulfeda's time the construction of the embankment was ascribed to Alexander the Great, and the lake consequently was not regarded as having had any existence in Babylonian times; but traditions



The Sea of Antioch, from the East.

of this kind are little to be trusted, and it is quite possible that the work above mentioned, constructed apparently with a view to irrigation, may really belong to a very much earlier age.

Finally, in Northern Syria, 115 miles north of the Bahr-el-Kades, and about 60 miles N.W.W of the Bahr-el-Melak, is the Bahr-el-Abyad (White Lake), or Sea of Antioch. This sheet of

*tion of the East*, vol. i. p. 140); Col. Cheaney makes them 6 miles by 9 (Euphrates Expedition, vol. i. p. 324). Dr. Robinson says the lake is "two hours in length by one in breadth" (Later Researches, p. 549), or about 6 miles by 3.

<sup>8</sup> *Tabulæ Syriae*, ed. Köhler, p. 157.

<sup>9</sup> Robinson, *Later Researches*, l. s. c.

water is a parallelogram,<sup>10</sup> the angles of which face the cardinal points: in its greater diameter it extends somewhat more than ten miles, while it is about seven miles across.<sup>11</sup> Its depth on the western side, where it approaches the mountains, is six or eight feet; but elsewhere it is generally more shallow, not exceeding three or four feet.<sup>12</sup> It lies in a marshy plain called El-Umk, and is thickly fringed with reeds round the whole of its circumference. From the silence of antiquity, some writers have imagined that it did not exist in ancient times;<sup>13</sup> but the observations of scientific travellers are opposed to this theory.<sup>14</sup> The lake abounds with fish of several kinds, and the fishery attracts and employs a considerable number of the natives who dwell near it.<sup>15</sup>

Besides these lakes, there were contained within the limits of the Empire a number of petty tarns, which do not merit particular description. Such were the Bahr-el-Taka,<sup>16</sup> and other small lakes on the right bank of the middle Orontes, the Birket-el-Limum in the Lebanon,<sup>17</sup> and the Birket-er-Ram<sup>18</sup> on the southern flank of Hermon. It is unnecessary, however, to pursue this subject any further. But a few words must be added on the chief cities of the Empire, before this chapter is brought to a conclusion.

The cities of the Empire may be divided into those of the dominant country and those of the provinces. Those of the dominant country were, for the most part, identical with the towns already described as belonging to the ancient Chaldæa. Besides Babylon itself, there flourished in the Babylonian period the cities of Borsippa, Duraba, Sippara or Sepharvaim, Opis, Psittacé, Cutha, Orchoë or Erech, and Diridotis or Teredon.

<sup>10</sup> Chesney, vol. i. p. 396.

<sup>11</sup> These dimensions, given by Rennell (*Illustrations of the Expedition of Cyrus*, p. 65), seem to be approved by Mr. Ainsworth (*Travels in the Truak*, p. 62, note), who himself explored the lake.

<sup>12</sup> Chesney, *Euphrates Expedition*, vol. i. p. 396.

<sup>13</sup> Rennell, *Illustrations of the Expedition of Cyrus*, p. 65.

<sup>14</sup> Ainsworth, *Researches in Mesopotamia*, p. 299.

<sup>15</sup> Chesney, vol. i. p. 397.

<sup>16</sup> Famous for its abundant fish. (Chesney, vol. i. p. 395.)

<sup>17</sup> Robinson, *Later Researches*, p. 548.

<sup>18</sup> *Journal of Asiatic Society*, vol. xvi. p. 8; Lynch, *Official Report*, p. 110. This is probably the ancient Phiale, which was believed to supply the fountain at Baniās. (Joseph. *B.J.* iii. 10, § 7.)

The sites of most of those have been described in the first volume;<sup>19</sup> but it remains to state briefly the positions of some few which were either new creations or comparatively undistinguished in the earlier times.

Opis, a town of sufficient magnitude to attract the attention of Herodotus,<sup>20</sup> was situated on the left or east bank of the Tigris, near the point where the Diyaleh or Gyndes joined the main river. Its position was south of the Gyndes embouchure, and it might be reckoned as lying upon either river.<sup>21</sup> The true name of the place—that which it bears in the cuneiform inscriptions—was Hupiya; and its site is probably marked by the ruins at Khafaji, near Baghdad, which place is thought to retain, in a corrupted form, the original appellation.<sup>22</sup> Psittacé or Sitacé,<sup>23</sup> the town which gave name to the province of Sittacêné,<sup>24</sup> was in the near neighbourhood of Opis, lying on the same side of the Tigris, but lower down, at least as low as the modern fort of the Zobeid chief. Its exact site has not been as yet discovered. Teredon, or Diridotis, appears to have been first founded by Nebuchadnezzar.<sup>25</sup> It lay on the coast of the Persian Gulf, a little west of the mouth of the Euphrates, and protected by a quay, or a breakwater, from the high tides that rolled in from the Indian Ocean. There is great difficulty in identifying its site, owing to the extreme uncertainty as to the exact position of the coast-line, and the course of the river, in the time of Nebuchadnezzar. Probably it should be sought about Zobair, or a little further inland.

The chief provincial cities were Susa and Badaca in Susiana; Anat, Sirki, and Carchemish, on the Middle Euphrates; Sidikan

<sup>19</sup> See pp. 20, 21. •

<sup>20</sup> Herod. i. 189. Xenophon calls it "a great city" (πόλις μεγάλη, *Anab.* ii. 4, § 25). Strabo says it had a considerable trade (xvi. 1, § 9).

<sup>21</sup> Herodotus, Strabo, and Arrian (*Exp. Alex.* vii. 7) place it on the Tigris. Xenophon places it on the Physcus (*Hupusku*) or Diyaleh.

<sup>22</sup> Sir H. Rawlinson in the author's *Herodotus* (vol. i. p. 261, note<sup>6</sup>, 2nd edition).

<sup>23</sup> Sitacé is the form commonly used by the Greeks (*Xen. Anab.* ii. 4, § 13; *Ælian, Hist. An.* xvi. 42; &c.); but Stephen of Byzantium has Psittacé. In the cuneiform inscriptions the name is read as *Patsita*, without the Scythic guttural ending.

<sup>24</sup> Sittacêné is made a province of Babylonia by Strabo (xv. 3, § 12). In Ptolemy it is a province of Assyria (*Geograph.* vi. 1).

<sup>25</sup> Abydenus ap. Euseb. *Præp. Ev.* ix. 41.



on the Khabour; Harran on the Bilik; Hamath, Damascus,<sup>26</sup> and Jerusalem, in Inner Syria; Tyre, Sidon, Ashdod, Ascalon, and Gaza, upon the coast. Of these, Susa was undoubtedly the most important; indeed, it deserves to be regarded as the second city of the Empire. Here, between the two arms of the Choaspes, on a noble and well-watered plain, backed at the distance of twenty-five miles by a lofty mountain range, the fresh breezes from which tempered the summer heats, was the ancient palace of the Kissian kings, proudly placed upon a lofty platform or mound, and commanding a wide prospect of the rich pastures at its base, which extended northwards to the roots of the hills, and in every other direction as far as the eye could reach.<sup>27</sup> Clustered at the foot of the palace mound, more especially on its eastern side, lay the ancient town, the foundation of the traditional Memnon,<sup>1</sup> who led an army to the defence of Troy.<sup>2</sup> The pure and sparkling water of the Choaspes<sup>3</sup>—a drink fit for kings<sup>4</sup>—flowed near, while around grew palms, konars, and lemon-trees,<sup>5</sup> the plain beyond waving with green grass and golden corn. It may be suspected that the Babylonian kings, who certainly maintained a palace at this place,<sup>6</sup> and sent high officers of their court to “do their business” there,<sup>7</sup> made it their occasional residence, exchanging, in summer and early autumn, the heats and swamps of Babylon for the comparatively dry and cool region at the base of the Lurish hills. But, however this may have been, at any rate Susa, long the capital of a kingdom little inferior to Babylon itself, must have been the first of the provincial cities, surpassing all the rest at once in size and in magnificence.

<sup>26</sup> Damascus, though destroyed by Tiglath-Pileser II., probably soon rose from its ruins, and again became an important city.

<sup>27</sup> For a good description of the situation of Susa see Loftus, *Chaldaea and Susiana*, p. 347. Compare the *Journal of the Geographical Society*, vol. ix. pp. 68-71.

<sup>1</sup> Herod. v. 53. Strabo ascribes the foundation to Tithonus, Memnon's father (xv. 3, § 2).

<sup>2</sup> Diod. Sic. ii. 22; iv. 75; Pausan. x. 31, § 2.

<sup>3</sup> *Geographical Journal*, vol. ix. p. 89.

<sup>4</sup> Herod. i. 188; Plutarch, *De Exsil.* p. 601, D; Athen. *Deipnosoph.* ii. p. 171. Milton's statement—

“There Susa by Choaspes' amber stream,  
The drink of none but kings,”

is an exaggeration: for which, however, there is some classical authority. (Solinus, *Polyhist.* § 41.)

<sup>5</sup> Loftus, *Chaldaea and Susiana*, l. s. c.

<sup>6</sup> Dan. viii. 2.

<sup>7</sup> *Ibid.* verse 27.

Among the other cities, Carchemish on the Upper Euphrates, Tyre upon the Syrian coast, and Ashdod on the borders of Egypt, held the highest place. Carchemish, which has been wrongly identified with Circesium,<sup>8</sup> lay certainly high up the river,<sup>9</sup> and most likely occupied a site some distance to the north of Balis, which is in lat. 36° nearly. It was the key of Syria on the east, commanding the ordinary passage of the Euphrates, and being the only great city in this quarter. Tyre, which had by this time surpassed its rival, Sidon,<sup>10</sup> was the chief of all the maritime towns; and its possession gave the mastery of the Eastern Mediterranean to the power which could acquire and maintain it. Ashdod was the key of Syria upon the south, being a place of great strength,<sup>11</sup> and commanding the coast route between Palestine and Egypt, which was usually pursued by armies. It is scarcely too much to say that the possession of Ashdod, Tyre, and Carchemish, involved the lordship of Syria, which could not be permanently retained except by the occupation of those cities.

The countries by which the Babylonian Empire was bounded were Persia on the east, Media and her dependencies on the north, Arabia on the south, and Egypt at the extreme southwest. Directly to the west she had no neighbour, her territory being on that side washed by the Mediterranean.

Of Persia, which must be described at length in the next volume, since it was the seat of Empire during the Fifth Monarchy, no more need be said here than that it was for the most part a rugged and sterile country, apt to produce a brave and hardy race, but incapable of sustaining a large population. A strong barrier separated it from the great Mesopotamian lowland;<sup>12</sup> and the Babylonians, by occupying a few easily

<sup>8</sup> There never was much ground for this identification, since Carchemish, "the fort of Chemosh," is clearly quite a distinct name from Circesium. The latter is perhaps a mode of expressing the Assyrian *Sirki*.

<sup>9</sup> See above, p. 67.

<sup>10</sup> The importance of Tyre at this time is strongly marked by the prophecies of Ezekiel (xxvi. 3-21; xxvii.

2-36; xxviii. 2-19; &c.), which barely mention Sidon (xxviii. 21-23; xxxii. 30).

<sup>11</sup> The strength of Ashdod, or Azotus, was signally shown by its long resistance to the arms of Psammetichus (Herod. ii. 157). The name is thought to be connected with the Arabic *shedeed*, "strong."

<sup>12</sup> See above, vol. i. p. 206.

defensible passes, could readily prevent a Persian army from debouching on their fertile plains. On the other hand, the natural strength of the region is so great, that in the hands of brave and active men its defence is easy; and the Babylonians were not likely, if an aggressive spirit led to their pressing eastward, to make any serious impression in this quarter, or ever greatly to advance their frontier.

To Media, the power which bordered her upon the north, Babylonia, on the contrary, lay wholly open. The Medes, possessing Assyria and Armenia, with the Upper Tigris valley, and probably the Mons Masius, could at any time, with the greatest ease, have marched armies into the low country, and resumed the contest in which Assyria was engaged for so many hundred years with the great people of the south. On this side nature had set no obstacles; and, if danger threatened, resistance had to be made by means of those artificial works which are specially suited for flat countries. Long lines of wall, broad dykes, huge reservoirs, by means of which large tracts may be laid under water, form the natural resort in such a case; and to such defences as these alone, in addition to her armies, could Babylonia look in case of a quarrel with the Medes. On this side, however, she for many years felt no fear. Political arrangements and family ties connected her with the Median reigning house,<sup>13</sup> and she looked to her northern neighbour as an ally upon whom she might depend for aid, rather than as a rival whose ambitious designs were to be watched and baffled.

Babylonia lay open also on the side of Arabia. Here, however, the nature of the country is such that population must be always sparse; and the habits of the people are opposed to that political union which can alone make a race really formidable to others. Once only in their history, under the excitement of a religious frenzy, have the Arabs issued forth from the great peninsula on an errand of conquest. In general they are content to vex and harass without seriously alarming their neighbours. The vast space and arid character of the peninsula are adverse to the collection and the movement of armies; the love of inde-

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<sup>13</sup> *Supra*, pp. 394, 397, 398, &c.

pendence cherished by the several tribes indisposes them to union; the affection for the nomadic life, which is strongly felt, disinclines them to the occupation of conquests. Arabia, as a conterminous power, is troublesome, but rarely dangerous: one section of the nation may almost always be played off against another: if "their hand is against every man," "every man's hand" is also "against them;"<sup>14</sup> blood-feuds divide and decimate their tribes, which are ever turning their swords against each other; their neighbours generally wish them ill, and will fall upon them, if they can take them at a disadvantage; it is only under very peculiar circumstances, such as can very rarely exist, that they are likely even to attempt anything more serious than a plundering inroad. Babylonia, consequently, though open to attack on the side of the south as well as on that of the north, had little to fear from either quarter. The friendliness of her northern neighbour, and the practical weakness of her southern one, were equal securities against aggression; and thus on her two largest and most exposed frontiers the Empire dreaded no attack.

But it was otherwise in the far south-west. Here the Empire bordered upon Egypt, a rich and populous country, which at all times covets Syria, and is often strong enough to seize and hold it in possession.<sup>15</sup> The natural frontier is moreover weak, no other barrier separating between Africa and Asia than a narrow desert, which has never yet proved a serious obstacle to an army.<sup>1</sup> From the side of Egypt, if from no other quarter, Babylonia might expect to have trouble. Here she inherited from her predecessor, Assyria, an old hereditary feud, which might at any time break out into active hostility. Here was an

<sup>14</sup> Gen. xvi. 12.

<sup>15</sup> Egypt appears to have held Syria during the 18th and 19th dynasties (ab. B.C. 1500-1250), and to have disputed its possession with Assyria from about B.C. 723 to B.C. 670. In later times the Ptolemies, and in still later the Fatimite Caliphs, ruled Syria from Egypt. In our own days the conquest was nearly effected by Ibrahim Pasha.

<sup>1</sup> The Egyptian armies readily crossed

it during the 18th and 19th dynasties—the Assyrians under Sargon and his successors—the Persians under Cambyases, Darius, Artaxerxes Longimanus, Mnemon and Artaxerxes Ochus—the Greeks under Alexander and his successors—the Arabians under Amrou and Saladin—the French under Napoleon. As the real desert does not much exceed a hundred miles in breadth, armies can carry with them sufficient food, forage, and water.

ancient, powerful, and well-organised kingdom upon her borders, with claims upon that portion of her territory which it was most difficult for her to defend effectively.<sup>2</sup> By sea<sup>3</sup> and by land equally the strip of Syrian coast lay open to the arms of Egypt, who was free to choose her time, and pour her hosts into the country when the attention of Babylon was directed to some other quarter. The physical and political circumstances alike pointed to hostile transactions between Babylon and her southwestern neighbour. Whether destruction would come from this quarter, or from some other, it would have been impossible to predict. Perhaps, on the whole, it may be said that Babylon might have been expected to contend successfully with Egypt—that she had little to fear from Arabia—that against Persia Proper it might have been anticipated that she would be able to defend herself—but that she lay at the mercy of Media. The Babylonian Empire was in truth an empire upon sufferance. From the time of its establishment with the consent of the Medes, the Medes might at any time have destroyed it. The dynastic tie alone prevented this result. When that tie was snapped, and when moreover, by the victories of Cyrus, Persian enterprise succeeded to the direction of Median power, the fate of Babylon was sealed. It was impossible for the long straggling Empire of the south, lying chiefly in low, flat, open regions, to resist for any considerable time the great kingdom of the north, of the high plateau, and of the mountain-chains.

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<sup>2</sup> See above, p. 453.

<sup>3</sup> For the naval power of Egypt at this time, see Herod. ii. 161 and 182.

## CHAPTER II.

## CLIMATE AND PRODUCTIONS.

. . . . . Πεδίον περιώσιον ἔνθα τε πολλοὶ  
 Ἀκρόκομοι φοίνικες ἐπηρεφίες πεφύασιν·  
 Καὶ μὴν καὶ χρυσοῖο φέρει χαριέστερον ἄλλο,  
 Ὑγρῆς βηρύλλου γλαυκὴν λίθον, ἥ περὶ χώρον  
 Φύεται ἐν προβολῇ, ὀφειήτιδος ἐνδοθὶ πέτρης.

DIONYS. *Perieg.* II. 1009-1013.

Ἔστι δὲ χωρέων αὕτη ἀπασίων μακρῇ ἀρίστη τῶν ἡμεῖς ἴδμεν Δήμητρος καρπὸν ἐκφέρειν.—  
 HEROD. I. 193.

THE Babylonian Empire, lying as it did between the thirtieth and the thirty-seventh parallels of north latitude, and consisting mostly of comparatively low countries, enjoyed a climate which was, upon the whole, considerably warmer than that of Media, and less subject to extreme variations. In its more southern parts—Susiana, Chaldæa (or Babylonia Proper), Philistia, and Edom—the intensity of the summer heat must have been great; but the winters were mild and of short duration. In the middle regions of Central Mesopotamia, the Euphrates valley, the Palmyrêné, Cœle-Syria, Judæa, and Phœnicia, while the winters were somewhat colder and longer, the summer warmth was more tolerable. Towards the north, along the flanks of Masius, Taurus, and Amanus, a climate more like that of eastern Media prevailed,<sup>1</sup> the summers being little less hot than those of the middle region,<sup>2</sup> while the winters were of considerable severity. A variety of climate thus existed, but a variety within somewhat narrow limits. The region was altogether hotter and drier than is usual in the same latitude. The close proximity of the great Arabian desert, the small size of the adjoining seas, the want of mountains

<sup>1</sup> Supra, pp. 284-289.

<sup>2</sup> See vol. i. p. 211.

within the region having any great elevation,<sup>3</sup> and the general absence of timber, combined to produce an amount of heat and dryness scarcely known elsewhere outside the tropics.

Detailed accounts of the temperature, and of the climate generally, in the most important provinces of the Empire, Babylonia and Mesopotamia Proper, have been already given,<sup>4</sup> and on these points the reader is referred to the first volume. With regard to the remaining provinces, it may be noticed, in the first place, that the climate of Susiana differs but very slightly from that of Babylonia, the region to which it is adjacent. The heat in summer is excessive, the thermometer, even in the hill country, at an elevation of 5,000 feet, standing often at 107° Fahr. in the shade.<sup>5</sup> The natives construct for themselves *serdaubs*, or subterranean apartments, in which they live during the day,<sup>6</sup> thus somewhat reducing the temperature, but probably never bringing it much below 100 degrees.<sup>7</sup> They sleep at night in the open air on the flat roofs of their houses.<sup>8</sup> So far as there is any difference of climate at this season between Susiana and Babylonia, it is in favour of the former. The heat, though scorching, is rarely oppressive;<sup>9</sup> and not unfrequently a cool invigorating breeze sets in from the mountains,<sup>10</sup> which refreshes both mind and body. The winters are exceedingly mild, snow being unknown on the plains, and rare on the mountains, except at a considerable elevation.<sup>11</sup> At this time, however — from December to the end of March — rain falls in tropical abundance;<sup>12</sup> and occasionally

<sup>3</sup> The average elevation of the Mons Masius is estimated at 1300 feet. (Ainsworth, *Researches in Mesopotamia*, p. 29.) Some of its peaks are of course considerably higher. Amanus is said to obtain an elevation of 5387 feet. (Chesney, *Euphrates Expedition*, vol. i. p. 384.) The greatest height of Lebanon is 10,200 feet (*Nat. History Review*, No. V. p. 11); its average height being from 6000 feet to 8000. Hermon is thought to be not much less than 10,000. (Porter, *Hand-book*, p. 455.)

<sup>4</sup> See vol. i. pp. 28-30 and 210-212.

<sup>5</sup> Loftus, *Chaldæa and Susiana*, p. 332. For the great heat of the region in ancient times, see Strabo, xv. 3, § 10.

<sup>6</sup> Loftus, pp. 304, 311, &c.; Kinneir, *Persian Empire*, p. 107.

<sup>7</sup> This is the temperature of the *serdaubs* at Baghdad, when the temperature of the open air is about 120°. (See vol. i. p. 28.)

<sup>8</sup> Kinneir, l. s. c.

<sup>9</sup> Mr. Loftus says: "The temperature was high, but it was perfectly delightful compared with the furnace we had recently quitted at Mohammerah." (*Chaldæa and Susiana*, p. 307.)

<sup>10</sup> Loftus, pp. 290, 307; Kinneir, p. 106.

<sup>11</sup> Kinneir, p. 107.

<sup>12</sup> Loftus, p. 310; Kinneir, l. s. c.

there are violent hail-storms,<sup>13</sup> which inflict serious injury on the crops. The spring-time in Susiana is delightful. Soft airs fan the cheek, laden with the scent of flowers; a carpet of verdure is spread over the plains; the sky is cloudless, or overspread with a thin gauzy veil; the heat of the sun is not too great; the rivers run with full banks and fill the numerous canals; the crops advance rapidly towards perfection; and on every side a rich luxuriant growth cheers the eye of the traveller.<sup>14</sup>

On the opposite side of the Empire, in Syria and Palestine, a moister, and on the whole a cooler climate prevails. In Lebanon and Anti-Lebanon there is a severe winter, which lasts from October to April;<sup>15</sup> much snow falls, and the thermometer often marks twenty or thirty degrees of frost. On the flanks of the mountain ranges, and in the highlands of Upper and Cœle-Syria, of Damascus, Samaria, and Judæa, the cold is considerably less; but there are intervals of frost; snow falls, though it does not often remain long upon the ground;<sup>16</sup> and prolonged chilling rains make the winter and early spring unpleasant. In the low regions, on the other hand, in the *Shephêlah*, the plain of Sharon, the Phœnician coast tract, the lower valley of the Orontes, and again in the plain of Esdrælon and the remarkable depression from the Merom lake to the Dead Sea, the winters are exceedingly mild;<sup>17</sup> frost and snow are unknown; the lowest temperature is produced by cold rains<sup>18</sup> and fogs,<sup>19</sup> which do not bring the thermometer much below 40°. During the summer these low regions, especially the Jordan valley or Ghor, are excessively hot, the heat being ordinarily of that moist kind which is intolerably oppressive.<sup>20</sup> The upland plains and mountain flanks experience also a high

<sup>13</sup> Kinneir, l. s. c.

<sup>14</sup> "Nowhere," says Mr. Loftus, "have I seen such rich vegetation as that which clothes the verdant plains of Shush" (p. 346). "It was difficult to ride along the Shapur," writes Sir H. Rawlinson, "for the luxuriant grass that clothed its banks; and all around the plain was covered with a carpet of the richest verdure." (*Journal of the Geographical Society*, vol. ix. p. 71.)

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<sup>15</sup> Chesney, *Euphr. Exp.* vol. i. p. 533.

<sup>16</sup> Ibid. p. 534; Robinson, *Researches*, vol. ii. p. 97; Grove, in *Smith's Biblical Dictionary*, vol. ii. p. 692; Josephus, *B. J.* iv. 8, § 3.

<sup>17</sup> Chesney, l. s. c.; Grove, p. 693.

<sup>18</sup> Seetzen, vol. ii. p. 300; *Correspondance de Napoléon*, No. 3993.

<sup>19</sup> Grove, l. s. c.

<sup>20</sup> Robinson, *Researches*, vol. iii. pp. 221, 282, &c.



temperature, but there the heat is of a drier character, and is not greatly complained of; the nights even in summer are cold, the dews being often heavy;<sup>21</sup> cool winds blow occasionally, and though the sky is for months without a cloud, the prevailing heat produces no injurious effects on those who are exposed to it.<sup>22</sup> In Lebanon and Anti-Lebanon, the heat is of course still less; refreshing breezes blow almost constantly; and the numerous streams and woods give a sense of coolness beyond the markings of the thermometer.

There is one evil, however, to which almost the whole Empire must have been subject. Alike in the east and in the west, in Syria and Palestine, no less than in Babylonia Proper and Susiana, there are times when a fierce and scorching wind prevails for days together—a wind whose breath withers the herbage and is unspeakably depressing to man. Called in the east the *Sherghis*,<sup>1</sup> and in the west the *Khamsin*,<sup>2</sup> this fiery sirocco comes laden with fine particles of heated sand, which at once raise the temperature and render the air unwholesome to breathe. In Syria these winds occur commonly in the spring, from February to April;<sup>3</sup> but in Susiana and Babylonia the time for them is the height of summer.<sup>4</sup> They blow from various quarters, according to the position, with respect to Arabia, occupied by the different provinces. In Palestine the worst are from the east,<sup>5</sup> the direction in which the desert is nearest; in Lower Babylonia they are from the south;<sup>6</sup> in Susiana from the west or the north-west.<sup>7</sup> During their continuance the air is darkened, a lurid glow is cast over the earth, the animal world pines and droops, vegetation languishes, and, if the traveller cannot obtain shelter, and the wind continues, he may sink and die under its deleterious influence.<sup>8</sup>

<sup>21</sup> Grove, l. s. c.; Robinson, vol. ii. p. 99.

<sup>22</sup> Robinson, l. s. c.

<sup>1</sup> Layard, *Nineveh and Babylon*, p. 364.

<sup>2</sup> Chesney, *Euphrates Expedition*, vol. i. p. 578.

<sup>3</sup> Wildenbruch, as quoted by Mr. Grove in Smith's *Biblical Dictionary*, vol. ii. p. 692.

<sup>4</sup> Kinneir, *Persian Empire*, p. 86; Loftus, *Chaldea and Susiana*, p. 241.

<sup>5</sup> Beaufort, vol. ii. p. 223.

<sup>6</sup> Loftus, l. s. c.

<sup>7</sup> Kinneir, l. s. c.

<sup>8</sup> See Niebuhr, *Description de l'Arabie*, pp. 7, 8; Burckhardt, *Travels*, p. 191; Chesney, *Euphrates Expedition*, vol. i. pp. 579, 580.

The climate of the entire tract included within the limits of the Empire was probably much the same in ancient times as in our own days. In the low alluvial plains indeed near the Persian Gulf it is probable that vegetation was anciently more abundant, the date-palm being cultivated much more extensively then than at present;<sup>9</sup> and so far it might appear reasonable to conclude that the climate of that region must have been moister and cooler than it now is. But if we may judge by Strabo's account of Susiana, where the climatic conditions were nearly the same as in Babylonia, no important change can have taken place, for Strabo not only calls the climate of Susiana "fiery and scorching,"<sup>10</sup> but says that in Susa, during the height of summer, if a lizard or a snake tried to cross the street about noon-day, he was baked to death before accomplishing half the distance.<sup>11</sup> Similarly on the west, though there is reason to believe that Palestine is now much more denuded of timber than it was formerly,<sup>12</sup> and its climate should therefore be both warmer and drier, yet it has been argued with great force from the identity of the modern with the ancient vegetation, that in reality there can have been no considerable change.<sup>13</sup> If then there has been such permanency of climate in the two regions where the greatest alteration seems to have taken place in the circumstances whereby climate is usually affected, it can scarcely be thought that elsewhere any serious change has been brought about.

The chief vegetable productions of Babylonia Proper in ancient times are thus enumerated by Berosus. "The land of the Babylonians," he says, "produces wheat as an indigenous plant, and has also barley, and lentils, and vetches, and sesame; the banks of the streams and the marshes supply edible roots,

<sup>9</sup> See the description of Dionysius the geographer at the head of this chapter, and compare Herod. i. 193; Amm. Marc. xxiv. 3; Zosim. iii. pp. 173-179.

<sup>10</sup> Ἐκπυρον καὶ καυματηρόν. Strab. xv. 3, § 10.

<sup>11</sup> Ibid. τὰς γοῦν σαύρας καὶ τοὺς ὄφεις, θέροντες ἀκαμάζοντος τοῦ ἡλίου κατὰ μεσημβρίαν

διαβῆναι μὴ φθάσειν τὰς ὁδοὺς τὰς ἐν τῇ πόλει ἀλλ' ἐν μέσῃς περιφλέγεσθαι.

<sup>12</sup> Bevan, in Smith's *Biblical Dictionary*, vol. i. p. 631; Stanley, *Sinai and Palestine*, p. 121.

<sup>13</sup> See an article on "The Climate of Palestine in Modern compared to Ancient Times," in the *Edinburgh New Philosophical Journal*, April, 1862.

called *gongæ*, which have the taste of barley-cakes. Palms, too, grow in the country, and apples, and fruit-trees of various kinds."<sup>14</sup> Wheat, it will be observed, and barley are placed first, since it was especially as a grain country that Babylonia was celebrated. The testimonies of Herodotus, Theophrastus, Strabo, and Pliny as to the enormous returns which the Babylonian farmers obtained from their corn lands have been already cited.<sup>15</sup> No such fertility is known anywhere in modern times; and, unless the accounts are grossly exaggerated, we must ascribe it, in part, to the extraordinary vigour of a virgin soil, a deep and rich alluvium; in part, perhaps to a peculiar adaptation of the soil to the wheat plant, which the providence of God made to grow spontaneously in this region, and nowhere else, so far as we know, on the whole face of the earth.<sup>16</sup>

Besides wheat, it appears that barley, millet,<sup>17</sup> and lentils were cultivated for food, while vetches were grown for beasts, and sesame for the sake of the oil which can be expressed from its seed.<sup>18</sup> All grew luxuriantly, and the returns of the barley in particular are stated at a fabulous amount.<sup>19</sup> But the production of first necessity in Babylonia was the date-palm, which flourished in great abundance throughout the region, and probably furnished the chief food of the greater portion of the inhabitants. The various uses to which it was applied have been stated in the first volume,<sup>20</sup> where a representation of its mode of growth has been also given.<sup>21</sup>

In the adjoining country of Susiana, or at any rate in the alluvial portion of it, the principal products of the earth seem to have been nearly the same as in Babylonia, while the fecundity of the soil was but little less. Wheat and barley returned to

<sup>14</sup> Berosus, Fr. 1, § 2.

<sup>15</sup> See vol. i. pp. 31, 32.

<sup>16</sup> Niebuhr says strikingly on this subject: "Woher also kommt das Getreide? Es ist eine unmittelbare Ausstattung des menschlichen Stammes durch Gott; allen ist etwas gegeben; den Asiaten gab er eigentliches Korn, den Americanern Mais. Dieser Umstand verdient ernstliche Erwägung; er ist eine der handgreiflichen Spuren von

der Erziehung des menschlichen Geschlechtes durch Gottes unmittelbare Leitung und Vorsehung." (*Vorträge über alte Geschichte*, vol. i. p. 21.)

<sup>17</sup> Millet, which is omitted by Berosus, is mentioned among Babylonian products by Herodotus (i. 193).

<sup>18</sup> Herod. l. s. c.; Strab. xvi. 1, § 14.

<sup>19</sup> Three hundred fold. (Strab. l. s. c.)

<sup>20</sup> See p. 35.

<sup>21</sup> See p. 34.

the sower a hundred or even two hundred fold.<sup>22</sup> The date-palm grew plentifully,<sup>23</sup> more especially in the vicinity of the towns.<sup>24</sup> Other trees also were common,<sup>25</sup> as probably konars, acacias, and poplars, which are still found scattered in tolerable abundance over the plain country.<sup>26</sup> The neighbouring mountains could furnish good timber of various kinds;<sup>27</sup> but it appears that the palm was the tree chiefly used for building.<sup>28</sup> If we may judge the past by the present, we may further suppose that Susiana produced fruits in abundance; for modern travellers tell us that there is not a fruit known in Persia which does not thrive in the province of Khuzistan.<sup>1</sup>

Along the Euphrates valley to a considerable distance — at least as far as Anah (or Hena) — the character of the country resembles that of Babylonia and Susiana, and the products cannot have been very different. About Anah the date-palm begins to fail, and the olive first makes its appearance.<sup>2</sup> Further up a chief fruit is the mulberry.<sup>3</sup> Still higher, in northern Mesopotamia, the mulberry is comparatively rare, but its place is supplied by the walnut, the vine, and the pistachio-nut.<sup>4</sup> This district produces also good crops of grain, and grows oranges, pomegranates, and the commoner kinds of fruit abundantly.<sup>5</sup>

Across the Euphrates, in Northern Syria, the country is less suited for grain crops; but trees and shrubs of all kinds grow luxuriantly, the pasture is excellent, and much of the land is well adapted for the growth of cotton.<sup>6</sup> The Assyrian kings

<sup>22</sup> Strab. xv. 3, § 11.

<sup>23</sup> Ibid. xvi. 1, § 6.

<sup>24</sup> The sculptures of Asshur-bani-pal, representing his wars in Susiana, contain numerous representations of palm-trees — particularly by towns. See especially Pl. 49 in Layard's *Monuments of Nineveh*, Second Series.

<sup>25</sup> The Assyrian sculptures represent at least two, if not three, other kinds of trees as growing in Susiana. (See the *Monuments*, Second Series, Pls. 45, 46, and 49.)

<sup>26</sup> Loftus, *Chaldaea and Susiana*, pp. 270, 346; Ainsworth, *Researches*, p. 132; *Geograph. Journal*, vol. ix. p. 70.

<sup>27</sup> Ibid. vol. ix. pp. 57, 94, 96, &c.

<sup>28</sup> Strab. xv. 3, § 10.

<sup>1</sup> Kinneir, *Persian Empire*, p. 107. Among the fruits expressly mentioned are lemons, oranges, grapes, apricots, melons, cucumbers (Loftus, pp. 313, 314), and the *Arab khozi*, or "Arab nut" (ib. p. 307).

<sup>2</sup> Ainsworth, *Researches*, p. 49.

<sup>3</sup> Ibid. p. 48.

<sup>4</sup> Pocock, *Description of the East*, vol. ii. p. 168.

<sup>5</sup> Chesney, *Euphrates Expedition*, vol. i. p. 107.

<sup>6</sup> Mr. Porter, speaking of the lower valley of the Orontes, exclaims — "What a noble cotton-field would this valley make!" (*Handbook*, p. 619). And again he says of the tract about the lake of Antioch: "The ground seems adapted

cut timber frequently in this tract;<sup>7</sup> and here are found at the present day enormous planes,<sup>8</sup> thick forests of oak, pine, and ilex, walnuts, willows, poplars, ash-trees, birches, larches, and the carob or locust tree.<sup>9</sup> Among wild shrubs are the oleander with its ruddy blossoms, the myrtle, the bay, the arbutus, the clematis, the juniper, and the honeysuckle;<sup>10</sup> among cultivated fruit-trees, the orange, the pomegranate, the pistachio-nut, the vine, the mulberry, and the olive.<sup>11</sup> The *adis*, an excellent pea, and the *Lycoperdon*, or wild potato, grow in the neighbourhood of Aleppo.<sup>12</sup> The castor-oil plant is cultivated in the plain of Edlib.<sup>13</sup> Melons, cucumbers,<sup>14</sup> and most of the ordinary vegetables are produced in abundance and of good quality everywhere.

In Southern Syria and Palestine most of the same forms of vegetation occur, with several others of quite a new character. These are due either to the change of latitude, or to the tropical heat of the Jordan and Dead Sea valley, or finally to the high elevation of Hermon, Lebanon, and Anti-Lebanon. The date-palm fringes the Syrian shore as high as Beyrut,<sup>15</sup> and formerly flourished in the Jordan valley,<sup>16</sup> where, however, it is not now seen, except in a few dwarfed specimens near the Tiberias lake.<sup>17</sup> The banana accompanies the date along the coast, and even grows as far north as Tripoli.<sup>18</sup> The prickly pear, introduced from America, has completely naturalised

for the cultivation of cotton" (ib. p. 609).

<sup>7</sup> See vol. i. p. 307 : supra, p. 89, &c.

<sup>8</sup> Mr. Ainsworth speaks of one near Bir as measuring 36 feet in circumference, and of another, in the vicinity of the ancient Daphne, measuring 42 feet. (*Researches*, p. 35.)

<sup>9</sup> See Porter, *Handbook*, pp. 598, 609; Ainsworth, p. 305; Chesney, vol. i. p. 432.

<sup>10</sup> Ibid. pp. 408, 428-430; Porter, p. 602.

<sup>11</sup> Chesney, vol. i. pp. 427, 439; Porter, pp. 616, 617; Ainsworth, p. 292. In ancient times the wine of Laodicea (*Ladiktyeh*) was celebrated, and was exported to Egypt in large quantities. (Strab. xvi. 2, § 9.)

<sup>12</sup> Chesney, vol. i. p. 442.

<sup>13</sup> Porter, p. 615.

<sup>14</sup> Chesney, vol. i. p. 439.

<sup>15</sup> Ibid. p. 469; Porter, p. 403.

<sup>16</sup> Jericho was known as "the city of Palms" (Deut. xxxiv. 3; Judg. i. 16, iii. 13), from the extensive palm-groves which surrounded it. (Strab. xvi. 2, § 41; Joseph. B. J. iv. 8, § 3.) Engedi was called Hazazon-Tamar, "the felling of Palms" (Gen. xiv. 7). The palms of Jericho were still flourishing in the days of the Crusaders. (Stanley, *Sinai and Palestine*, p. 143.)

<sup>17</sup> Robinson, *Researches*, vol. ii. p. 265; Hooker, in Smith's *Biblical Dictionary*, vol. ii. p. 685.

<sup>18</sup> Hooker, in Smith's *Biblical Dictionary*, l. s. c.

itself, and is in general request for hedging.<sup>19</sup> The fig-mulberry (or true sycamore), another southern form, is also common, and grows to a considerable size.<sup>20</sup> Other denizens of warm climes, unknown in Northern Syria, are the jujube, the tamarisk, the elæagnus or wild olive, the gum-styrax plant (*Styrax officinalis*), the egg-plant, the Egyptian papyrus, the sugar-cane, the scarlet misletoe, the solanum that produces the "Dead Sea apple" (*Solanum Sodomæum*), the yellow-flowered acacia, and the liquorice plant.<sup>21</sup> Among the forms due to high elevation are the famous Lebanon cedar, several oaks and junipers,<sup>22</sup> the maple, berberry, jessamine, ivy, butcher's broom, a rhododendron, and the gum-tragacanth plant.<sup>23</sup> The fruits additional to those of the north are dates, lemons, almonds, shaddocks, and limes.<sup>24</sup>

The chief mineral products of the Empire seem to have been bitumen, with its concomitants, naphtha and petroleum, salt, sulphur, nitre, copper, iron, perhaps silver, and several sorts of precious stones. Bitumen was furnished in great abundance by the springs at Hit or Is,<sup>25</sup> which were celebrated in the days of Herodotus;<sup>26</sup> it was also procured from Ardericca<sup>27</sup> (Kir-Ab), and probably from Ram Ormuz,<sup>28</sup> in Susiana, and likewise from the Dead Sea.<sup>29</sup> Salt was obtainable from the various lakes which had no outlet, as especially from the Sabakhah,<sup>30</sup> the Bahr-el-Melak,<sup>1</sup> the Dead Sea,<sup>2</sup> and a small lake near Tadmor

<sup>19</sup> Porter, p. 404; Hooker, l. s. c.; Grove, in *Bib. Dic.* vol. ii. p. 668.

<sup>20</sup> Hooker, *B. D.* ii. p. 684; Chesney, vol. i. p. 512.

<sup>21</sup> Hooker, pp. 684-688; Chesney, vol. i. pp. 535-537.

<sup>22</sup> As the *Quercus Cerris*, the *Q. Ehrenbergii* or *castaneaefolia*, the *Q. Toza*, *Q. Libani*, and *Q. mannifera*; the *Juniperus communis*, *J. fastidissima*, and others. (Hooker, p. 688.)

<sup>23</sup> *Ibid.* pp. 683, 689.

<sup>24</sup> *Ibid.* p. 684; Chesney, vol. i. pp. 455, 480, &c.

<sup>25</sup> These springs continue productive to the present day. They have been well described by the late Mr. Rich. (*First Memoir on Babylon*, pp. 63, 64.)

<sup>26</sup> Herod. i. 179. Sir G. Wilkinson

believes that he has found a mention of bitumen from Hit as early as the reign of Thothmes III. in Egypt. (See the author's *Herodotus*, vol. i. p. 254, note<sup>2</sup>, 2nd edition.)

<sup>27</sup> Herod. vi. 119; *Journal of the Geographical Society*, vol. ix. p. 94.

<sup>28</sup> *Geograph. Journal*, l. s. c.

<sup>29</sup> Strab. xvi. 2, § 42; Tacit. *Hist.* v. 6; Plin. *H. N.* v. 16.

<sup>30</sup> *Supra*, p. 466.

<sup>1</sup> *Supra*, p. 467.

<sup>2</sup> The ridge of Usdum at the southwestern extremity of the Dead Sea is a mountain of rock-salt. (Robinson, *Researches*, vol. ii. p. 482.) A little further to the north is a natural salt-pan, the *Birket el Khulil*, from which the Arabs obtain supplies. The Jews say that the

or Palmyra.<sup>3</sup> The Dead Sea gave also most probably both sulphur and nitre, but the latter only in small quantities.<sup>4</sup> Copper and iron seem to have been yielded by the hills of Palestine.<sup>5</sup> Silver was perhaps a product of the Anti-Lebanon.<sup>6</sup>

It may be doubted whether any gems were really found in Babylonia itself, which, being purely alluvial, possesses no stone of any kind. Most likely the sorts known as Babylonian came from the neighbouring Susiana, whose unexplored mountains may possess many rich treasures. According to Dionysius,<sup>7</sup> the bed of the Choaspes produced numerous agates, and it may well be that from the same quarter came that "beryl more precious than gold,"<sup>8</sup> and those "highly reputed sards,"<sup>9</sup> which Babylon seems to have exported to other countries. The western provinces may, however, very probably have furnished the gems which are ascribed to them, as amethysts, which are said to have been found in the neighbourhood of Petra,<sup>10</sup> alabaster, which came from near Damascus,<sup>11</sup> and the cyanus, a kind of lapis-lazuli,<sup>12</sup> which was a production of Phœnicia.<sup>13</sup> No doubt the Babylonian love of gems caused the provinces to be carefully searched for stones; and it is not improbable that they yielded, besides the varieties already named, and the other unknown kinds mentioned by Pliny,<sup>14</sup> many, if not most, of the materials which we find to have been used for seals by the ancient people. These are, cornelian, rock-crystal,

Dead Sea salt was anciently in much request for the Temple service. It was known to Galen under the name of "Sodom salt" (ἀλας Σοδομηνοί, *De Simpl. Med. Facult.* iv. 19). Zephaniah (ab. B.C. 630) mentions "salt-pits" in this neighbourhood (ii. 9).

<sup>3</sup> Chesney, vol. i. p. 526. Salt was procurable also from the bitumen-pits at Hit (Ainsworth's *Researches*, p. 85) and Ardericca (Herod. vi. 119).

<sup>4</sup> Balls of nearly pure sulphur are found on the shores of the Dead Sea not unfrequently. (Anderson, in Lynch's *Official Report*, pp. 176, 180, 187, &c.) Nitre is found according to some travellers (Irby and Mangles, pp. 451, 453); but their report is not universally credited. (See Grove, in Smith's *Biblical Dictionary*, vol. iii. p. 1183 d.)

<sup>5</sup> Deut. viii. 9. Compare Euseb. *H. E.* viii. 15, 17.

<sup>6</sup> Silver has been found in the Anti-Lebanon in modern times. (See Burckhardt, *Travels*, pp. 33, 34.)

<sup>7</sup> Dionys. *Perieg.* li. 1073-1077.

<sup>8</sup> Ibid. li. 1011-1013.

<sup>9</sup> Plin. *H. N.* xxxvii. 7. "Sarda laudatissima circa Babylonem."

<sup>10</sup> Ibid. xxxvii. 9.

<sup>11</sup> Ibid. xxxvii. 10 (§ 54).

<sup>12</sup> See King, *Antique Gems*, p. 45. Some have regarded the cyanus as the sapphire.

<sup>13</sup> Theophrastus, *De Lapid.* 55 (p. 309, ed. Heins.).

<sup>14</sup> As the *Bucardia* (Plin. *H. N.* xxxvii. 10, § 55), the *Mormorion* (ibid. § 63), and the *Sagda* (§ 67).

chalcedony, onyx, jasper, quartz, serpentine, sienite, hæmatite, green felspar, pyrites, loadstone, and amazon-stone.

Stone for building was absent from Babylonia Proper and the alluvial tracts of Susiana, but in the other provinces it abounded. The Euphrates valley could furnish stone at almost any point above Hit; the mountain regions of Susiana could supply it in whatever quantity might be required; and in the western provinces it was only too plentiful. Near to Babylonia the most common kind was limestone;<sup>15</sup> but about Hadisah on the Euphrates there was also a gritty, silicious rock alternating with iron-stone,<sup>16</sup> and in the Arabian Desert were sandstone and granite.<sup>17</sup> Such stone as was used in Babylon itself, and in the other cities of the low country, probably either came down the Euphrates,<sup>18</sup> or was brought by canals from the adjacent parts of Arabia. The quantity, however, thus consumed was small, the Babylonians being content for most uses with the brick, of which their own territory gave them a supply practically inexhaustible.

The principal wild animals known to have inhabited the Empire in ancient times are the following:—the lion, the panther or large leopard, the hunting leopard, the bear, the hyæna, the wild ox, the buffalo (?), the wild ass, the stag, the antelope, the ibex or wild goat, the wild sheep, the wild boar, the wolf, the jackal, the fox, the hare, and the rabbit.<sup>19</sup> Of these, the lion, leopard, bear, stag, wolf, jackal, and fox seem to have been very widely diffused,<sup>20</sup> while the remainder were rarer, and,

<sup>15</sup> Ainsworth, *Researches*, pp. 90, 91.

<sup>16</sup> *Id. Travels in the Track*, p. 82.

<sup>17</sup> See above, vol. i. pp. 25 and 38.

<sup>18</sup> *Xen. Anab.* i. 5, § 5.

<sup>19</sup> Most of these animals are mentioned in the inscription of Asshur-izir-pal, which records the results of his hunting in Northern Syria and the adjacent part of Mesopotamia. (See above, p. 90.) Those not found in that list are mentioned in Scripture among the animals of Palestine.

<sup>20</sup> Lions are represented in early Babylonian reliefs (Loftus, p. 258). They are found at the present day in Susiana (Loftus, p. 332), in Babylonia

(ib. p. 264), on the middle Euphrates and Khabour (Layard), *Nineveh and its Remains*, vol. ii. p. 48; *Nin. and Bab.* p. 296; and in Upper Syria (Chesney, vol. i. p. 442). Anciently they were common in Palestine (*Judg.* xiv. 5; 1 K. xiii. 24; xx. 36; 2 K. xvii. 25; &c.). Bears were likewise common in Palestine (1 Sam. xvii. 34; 2 K. ii. 24; &c.). They are still found in Hermon (Porter, p. 453), and in all the wooded parts of Syria and Mesopotamia (Ainsworth, in Chesney's *Euphr. Exp.* vol. i. p. 728). The other animals mentioned are still diffused through the whole region.



generally speaking, confined to certain localities. The wild ass was met with only in the dry parts of Mesopotamia and perhaps of Syria,<sup>1</sup> the buffalo and wild boar only in moist regions, along the banks of rivers or among marshes.<sup>2</sup> The wild ox was altogether scarce;<sup>3</sup> the wild sheep, the rabbit, and the hare<sup>4</sup> were probably not common.

To this list may be added as present denizens of the region, and therefore probably belonging to it in ancient times, the lynx, the wild cat, the ratel, the sable, the genet, the badger, the otter, the beaver, the polecat, the jerboa, the rat, the mouse, the marmot, the porcupine, the squirrel,<sup>5</sup> and perhaps the alligator.<sup>6</sup> Of these the commonest at the present day are porcupines, badgers, otters, rats, mice, and jerboas. The ratel, sable, and genet belong only to the north;<sup>7</sup> the beaver is found nowhere but in the Khabour and middle Euphrates;<sup>8</sup> the

<sup>1</sup> Xen. *Anab.* i. 5, § 2. The frequent mention of the wild ass by the Hebrew poets (Job vi. 5; xxiv. 5; xxxix. 5; Is. xxxii. 14; Jer. ii. 24; Hos. viii. 9; &c.) seems to imply that the animal came under their observation. This would only be if it frequented the Syrian desert.

<sup>2</sup> As in Susiana (Ainsworth, *Researches*, pp. 86, 137), Babylonia (*supra*,

vol. i. p. 40), parts of Mesopotamia (Chesney, vol. i. p. 728), Syria (*ibid.* p. 536), and Palestine (Lynch, *Narrative*, p. 218).

<sup>3</sup> See above, vol. i. p. 513; vol. ii. p. 211.

<sup>4</sup> The hare is sometimes represented upon Babylonian cylinders. We see it either lying down, or carried in the hand by the two hind legs, much as we carry hares now-a-days.



Hare sitting, from a Babylonian cylinder.



Hare carried in the hands, from a Babylonian cylinder.

<sup>5</sup> This list is given on the authority of Mr. Ainsworth (*Researches*, pp. 37-42), with the two exceptions of the wild-cat and the badger. These are added on the authority of Sir H. Rawlinson.

<sup>6</sup> The officers of Colonel Chesney's expedition are said to have seen several times some kind of crocodile or alligator

which lived in the Euphrates. (Chesney, vol. i. p. 589; Ainsworth's *Researches*, p. 46.) But they failed to procure a specimen.

<sup>7</sup> Ainsworth, in Chesney's *Euphr. Exp.* vol. i. p. 728.

<sup>8</sup> Chesney, vol. i. p. 442; Layard's *Nin. and Bab.* p. 296.

alligator, if a denizen of the region at all, exists only in the Euphrates.

The chief birds of the region are eagles, vultures, falcons, owls, hawks, many kinds of crows, magpies, jackdaws, thrushes, blackbirds, nightingales, larks, sparrows, goldfinches, swallows, doves of fourteen kinds, francolins, rock partridges, grey partridges, black partridges, quails, pheasants, capercaillies, bustards, flamingoes, pelicans, cormorants, storks, herons, cranes, wild-geese, ducks, teal, kingfishers, snipes, woodcocks, the sand-grouse, the hoopoe, the green parrot, the becafico, the locust-bird, the humming-bird (?), and the bee-eater.<sup>9</sup> The eagle, pheasant, capercaillie, quail, parrot, locust-bird, becafico, and humming-bird are rare;<sup>10</sup> the remainder are all tolerably common. Besides these, we know that in ancient times ostriches were found within the limits of the Empire,<sup>11</sup> though now they have retreated further south into the Great Desert of Arabia. Perhaps bitterns may also formerly have frequented some of the countries belonging to it,<sup>12</sup> though they are not mentioned among the birds of the region by modern writers.<sup>13</sup>

There is a bird of the heron species, or rather of a species between the heron and the stork, which seems to deserve a few words of special description. It is found chiefly in Northern

<sup>9</sup> See Mr. Ainsworth's account of the Mesopotamian birds in his *Researches*, pp. 42-45; and compare the list in Col. Chesney's work, Appendix to vol. i. pp. 730, 731.

<sup>10</sup> The capercaillie or cock of the wood, and two kinds of pheasants, frequent the woods of northern Syria, where the green parrot is also found occasionally (Chesney, vol. i. pp. 443 and 731). Eagles are seen on Hermon (Porter, p. 453), Lebanon, and in Upper Syria (Chesney, vol. i. p. 731); locust-birds in Upper Syria (ib. p. 443) and Palestine (Robinson, vol. iii. p. 252); the becafico is only a bird of passage (Chesney, vol. i. p. 731); the humming-bird is said to have been seen by Commander Lynch at the southern end of the Dead Sea (*Narrative*, p. 209); but this fact requires confirmation.

<sup>11</sup> Xen. *Anab.* i. 5, § 2. According to Mr. Tristram, the ostrich is still an

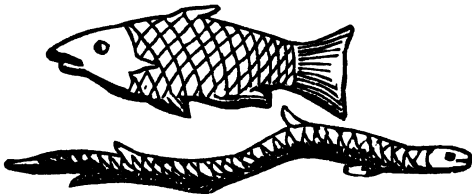
occasional visitant of the *Belka*, the rolling pastoral country immediately east of the Dead Sea (see his *Report on the Birds of Palestine*, published in the *Proceedings of the London Zoölogical Society*, Nov. 8, 1864).

<sup>12</sup> Mr. Houghton believes the bittern to be intended by the *kippód* of Scripture, which is mentioned in connection with both Babylon (Is. xxxiv. 11) and Nineveh (Zeph. ii. 14). See Smith's *Biblical Dictionary*, vol. iii. Appendix, p. xxxi.

<sup>13</sup> The bittern was not observed by Col. Chesney or Mr. Ainsworth. Nor is it noticed by either Mr. Loftus or Mr. Layard. Col. H. Smith says he was "informed that it had been seen on the ruins of Ctesiphon" (Kitto, *Biblical Cyclopædia*, ad voc. *Kippód*); but I find no other mention of it as a habitant of these countries.

Syria, in the plain of Aleppo and the districts watered by the Koweik and Sajur rivers. The Arabs call it *Tair-el-Raouf*, or "the magnificent." This bird is of a greyish-white, the breast white, the joints of the wings tipped with scarlet, and the under part of the beak scarlet, the upper part being of a blackish-grey. The beak is nearly five inches long, and two-thirds of an inch thick. The circumference of the eye is red; the feet are of a deep yellow; and the bird in its general form strongly resembles the stork; but its colour is darker. It is four feet high, and covers a breadth of nine feet when the wings are spread. The birds of this species are wont to collect in large flocks on the North Syrian rivers, and to arrange themselves in several rows across the streams where they are shallowest. Here they squat side by side, as close to one another as possible, and spread out their tails against the current, thus forming a temporary dam. The water drains off below them, and when it has reached its lowest point, at a signal from one of their number who from the bank watches the proceedings, they rise and swoop upon the fish, frogs, &c., which the lowering of the water has exposed to view.<sup>14</sup>

Fish are abundant in the Chaldæan marshes, and in almost



Babylonian Fish, from the Sculptures.

all the fresh-water lakes and rivers. The Tigris and Euphrates yield chiefly barbel and carp;<sup>15</sup> but the former stream has also eels, trout, chub, shad-fish, siluruses, and many

kinds which have no English names.<sup>16</sup> The Koweik contains the Aleppo eel (*Ophidium masbacambalus*), a very rare variety;<sup>17</sup> and in other streams of Northern Syria are found lampreys, bream, dace, and the black-fish (*Macropteronotus niger*), besides carp, trout, chub, and barbel.<sup>18</sup> Chub, bream, and the silurus

<sup>14</sup> See Mr. Vincent Germain's description in Col. Chesney's work, vol. i. pp. 731, 732.

<sup>15</sup> Chesney, vol. i. p. 106.

<sup>16</sup> See Mr. Ainsworth's list in Col. Chesney's work, vol. i. p. 739.

<sup>17</sup> Ainsworth, *Researches*, p. 45.

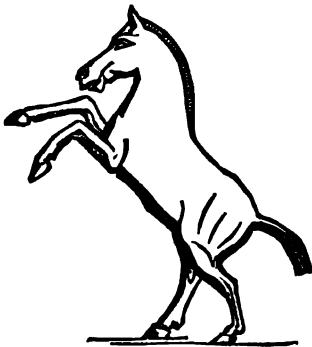
<sup>18</sup> Chesney, vol. i. p. 444.

are taken in the Sea of Galilee.<sup>19</sup> The black-fish is extremely abundant in the Bahr-el-Taka and the Lake of Antioch.<sup>20</sup>

Among reptiles may be noticed, besides snakes, lizards, and frogs, which are numerous, the following less common species — iguanoes, tortoises of two kinds, chameleons, and monitors.<sup>21</sup> Bats also were common in Babylonia Proper,<sup>22</sup> where they grew to a great size. Of insects the most remarkable are scorpions, tarantulas, and locusts.<sup>23</sup> These last come suddenly in countless myriads with the wind, and, settling on the crops, rapidly destroy all the hopes of the husbandman, after which they strip the shrubs and trees of their leaves, reducing rich districts in an incredibly short space of time to the condition of howling wildernesses. If it were not for the locust-bird, which is constantly keeping down their numbers, these destructive insects would probably increase so as to ruin utterly the various regions exposed to their ravages.



Locusts, from a Cylinder.



Susian Mule (Koyunjik).

The domestic animals employed in the countries which composed the Empire were camels, horses, mules, asses, buffaloes, cows and oxen, goats, sheep, and dogs. Mules as well as horses seem to have been anciently used in war by the people of the more southern regions — by the Susianians at any rate,<sup>24</sup> if not also by the Babylonians. Sometimes they were ridden; sometimes they were employed to draw carts or chariots. They were spirited and active animals, evidently of a fine breed, such

<sup>19</sup> Robinson, *Researches*, vol. iii. p. 261. Commander Lynch speaks of five kinds of fish — all good — as produced by this lake (*Narrative*, p. 96); but he can only give their Arabic names.

<sup>20</sup> Chesney, vol. i. pp. 395 and 397.

<sup>21</sup> Ainsworth, *Researches*, p. 46.

<sup>22</sup> Strab. xvi. 1, § 7.

<sup>23</sup> Chesney, vol. i. p. 444.

<sup>24</sup> See the sculptures of Asshur-banipal, which represent his campaigns in Susiana, especially those rendered by Mr. Layard in his *Monuments*, Second Series, Pls. 45 and 46.

as that for which Khuzistan is famous at the present day.<sup>25</sup> The asses from which these mules were produced must also have been of superior quality, like the breed for which Baghdad is even now famous.<sup>26</sup> The Babylonian horses are not likely to have been nearly so good; for this animal does not flourish in a climate which is at once moist and hot. Still, at any rate under the Persians, Babylonia seems to have been a great breeding-place for horses, since the stud of a single satrap consisted



Susianian Horses (Koyunjik).

of 800 stallions and 16,000 mares.<sup>1</sup> If we may judge of the character of Babylonian from that of Susianian steeds, we may consider the breed to have been strong and large limbed, but not very handsome, the head being too large and the legs too short for beauty.

The Babylonians were also from very early times famous for their breed of dogs. The tablet engraved in a former volume,<sup>2</sup> which gives a representation of a Babylonian hound, is probably of a high antiquity, not later than the period of the Empire. Dogs are also not unfrequently represented on ancient Babylonian stones and cylinders.<sup>3</sup> It would seem that, as in

<sup>25</sup> Layard, *Nineveh and Babylon*, p. 449, note.

<sup>26</sup> *Ibid.* p. 472.

<sup>1</sup> Herod. i. 192. Compare the 300 stallions and 30,000 mares, which Seleucus Nicator kept in the Orontes

valley, near Apamea. (Strab. xvi. 2, § 10.)

<sup>2</sup> See vol. i. p. 235.

<sup>3</sup> Cullimore, *Cylinders*, No. 63; Layard, *Culte de Mithra*, Pls. xviii. 8; xxxvii. 2; xxxviii. 1; &c.

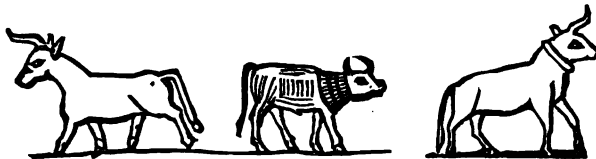
Assyria, there were two principal breeds, one somewhat clumsy and heavy, of a character not unlike that of our mastiff, the other of a much lighter make, nearly resembling our greyhound. The former kind is probably the breed known as Indian,<sup>4</sup> which was kept up by continual importations from the country whence it was originally derived.<sup>5</sup>



Babylonian Dog, from a gem.

We have no evidence that camels were employed in the time of the Empire, either by the Babylonians themselves or by their neighbours, the Susianians; but in Upper Mesopotamia, in Syria, and in Palestine they had been in use from a very early date. The Amalekites and the Midianites found them serviceable in war;<sup>6</sup> and the latter people employed them also as beasts of burden in their caravan trade.<sup>7</sup> The Syrians of Upper Mesopotamia rode upon them in their journeys.<sup>8</sup> It appears that they were also sometimes yoked to chariots,<sup>9</sup> though from their size and clumsiness they would be but ill fitted for beasts of draught.

Buffaloes were, it is probable, domesticated by the Babylonians at an early date. The animal seems to have been indi-



Oxen, from Babylonian cylinders.

genous in the country,<sup>10</sup> and it is far better suited for the marshy regions of Lower Babylonia and Susiana<sup>11</sup> than cattle of the ordinary kind. It is perhaps a buffalo which is repre-

<sup>4</sup> Herod. i. s. c.

<sup>5</sup> Ctesias, *Indica*, § 5.

<sup>6</sup> Judg. vii. 12; 1 Sam. xxx. 17.

<sup>7</sup> Gen. xxxvii. 25.

<sup>8</sup> Ibid. xxiv. 61; xxxi. 17.

<sup>9</sup> Isaiah xxi. 7.

<sup>10</sup> Among the beasts hunted by the

Assyrian kings are thought to be wild buffaloes. (Supra, p. 91.)

<sup>11</sup> On the buffaloes of these districts see Loftus, *Chaldaea and Susiana*, pp. 94, 392; Layard, *Nineveh and Babylon*, p. 566; Ainsworth, *Researches*, p. 137.

sented on an ancient tablet already referred to,<sup>12</sup> where a lion is disturbed in the middle of his feast off a prostrate animal by a man armed with a hatchet. Cows and oxen, however, of the common kind are occasionally represented on the cylinders,<sup>13</sup> where they seem sometimes to represent animals about to be offered to the gods. Goats also appear frequently in this capacity;<sup>14</sup> and they were probably more common than sheep, at any rate in the more southern districts. Of Babylonian sheep we have no representations at all on the monuments; but it is scarcely likely that a country which used wool so largely<sup>15</sup> was content to be without them. At any rate they abounded in the provinces, forming the chief wealth of the more northern nations.<sup>16</sup>

<sup>12</sup> Supra, p. 489, note <sup>20</sup>. The tablet is figured by Mr. Loftus, p. 258.

<sup>13</sup> Cullimore, *Cylinders*, Nos. 36, 91, 92, 138; Lajard, *Culte de Mithra*, Pls. xlii. 7; xvi. 1; xviii. 5; &c.

<sup>14</sup> Cullimore, Nos. 26, 29, 49, 52,

&c.; Lajard, Pls. xxxvi. 13; xxxvii. 7; xxxviii. 3; &c.

<sup>15</sup> See below, p. 570.

<sup>16</sup> See the Assyrian Inscriptions, *passim*. Compare Gen. xxix. 3; Job i. 3; xlii. 12.

## CHAPTER III.

## THE PEOPLE.

"The Chaldæans, that bitter and hasty nation." — HABAK. i. 6.

THE Babylonians, who, under Nabopolassar and Nebuchadnezzar, held the second place among the nations of the East, were emphatically a mixed race. The ancient people from whom they were in the main descended — the Chaldæans of the First Empire — possessed this character to a considerable extent, since they united Cushite with Turanian blood, and contained moreover a slight Semitic and probably a slight Arian element.<sup>1</sup> But the Babylonians of later times — the Chaldæans of the Hebrew prophets<sup>2</sup> — must have been very much more a mixed race than their earlier namesakes — partly in consequence of the policy of colonisation pursued systematically by the later Assyrian kings, partly from the direct influence exerted upon them by conquerors. Whatever may have been the case with the Arab dynasty, which bore sway in the country from about B.C. 1546 till B.C. 1300, it is certain that the Assyrians conquered Babylon about B.C. 1300, and almost certain that they established an Assyrian family upon the throne of Nimrod, which held for some considerable time the actual sovereignty of the country.<sup>3</sup> It was natural that under a dynasty of Semites, Semitic blood should flow freely into the lower region, Semitic usages and modes of thought become prevalent, and the spoken language of the country pass from a Turanian or Turano-Cushite to a Semitic type. The previous Chaldæan race blended, apparently, with the new comers, and

<sup>1</sup> See above, vol. i. pp. 44, 45.

<sup>2</sup> The prophets very rarely use the word "Babylonian." I believe it is only found in Ezek. xxiii. 15 and 17.

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When the term is used, it designates the people of the capital: the inhabitants of the land generally are "Chaldæans."

<sup>3</sup> See above, pp. 58, 59.



a people was produced in which the three elements — the Semitic, the Turanian, and the Cushite — held about equal shares. The colonisation of the Sargonid kings added probably other elements in small proportions,<sup>4</sup> and the result was that among all the nations inhabiting Western Asia, there can have been none so thoroughly deserving the title of a “mingled people”<sup>5</sup> as the Babylonians of the later Empire.

In mixtures of this kind it is almost always found that some one element practically preponderates, and assumes to itself the right of fashioning and forming the general character of the race. It is not at all necessary that this formative element should be larger than any other; on the contrary, it may be and sometimes is extremely small;<sup>6</sup> for it does not work by its mass, but by its innate force and strong vital energy. In Babylonia, the element which showed itself to possess this superior vitality, which practically asserted its pre-eminence and proceeded to mould the national character, was the Semitic. There is abundant evidence that by the time of the later Empire the Babylonians had become thoroughly Semitised; so much so, that ordinary observers scarcely distinguished them from their purely Semitic neighbours, the Assyrians.<sup>7</sup> No doubt there were differences which a Hippocrates or an Aristotle could have detected — differences resulting from mixed descent, as well as differences arising from climate and physical geography; but, speaking broadly, it must be said that the Semitic element, introduced into Babylonia from the north, had so prevailed by the time of the establishment of the Empire that the race was no longer one *sui generis*, but was a mere variety of the well known and widely spread Semitic type.

<sup>4</sup> The settlement of foreigners in Babylonia by the Sargonid kings is not expressly recorded, but may be assumed from their general practice, combined with the fact that they made room for such a population by largely deporting the native inhabitants. (See 2 K. xvii. 24; Ezr. iv. 9; and compare above, pp. 152, 183, &c.)

<sup>5</sup> Jeremiah speaks of the “mingled people” in the midst of Babylon (l. 37); but the reference is perhaps rather to

the crowds of foreigners who were there for pleasure or profit than to the Babylonians themselves.

<sup>6</sup> Note the case of the Hellenic element in Greece — at any rate according to Herodotus — τὸ Ἑλληνικὸν . . . ἐὼν ἀσθενὲς ἀπὸ μικροῦ τοῦ τὴν ἀρχὴν ὀρμεῖν, αὐξήται ἐς πλῆθος τῶν ἰθύνων πολλῶν, μάλιστα προσκεχωρηκότων αὐτῷ καὶ ἄλλων ἰθύνων βαρύνων συχρῶν.

<sup>7</sup> Herod. i. 106, 178; iii. 92.

We possess but few notices, and fewer assured representations, from which to form an opinion of the physical characteristics of the Babylonians. Except upon the cylinders, there are extant only three or four representations of the human form<sup>8</sup> by Babylonian artists, and in the few cases where this form occurs, we cannot always feel at all certain that the intention is to portray a human being. A few Assyrian bas-reliefs *probably* represent campaigns in Babylonia;<sup>9</sup> but the Assyrians vary their human type so little, that these sculptures must not be regarded as conveying to us very exact information. The cylinders are too rudely executed to be of much service, and they seem to preserve an archaic type which originated with the Proto-Chaldeans. If we might trust the figures upon them as at all nearly representing the truth, we should have to regard the Babylonians as of much slighter and sparer frames than their northern neighbours, of a *physique* in fact approaching to meagreness. The Assyrian sculptures, however, are far from bearing out this idea; from them it would seem that the frames of the Babylonians were as brawny and massive as those of the Assyrians themselves, while in feature there was not much difference between the nations. Foreheads straight but not high, noses well formed but somewhat depressed, full lips, and a well-marked rounded chin, constitute the physiognomy of the Babylonians as it appears upon the sculptures of their neighbours. This representation is not contradicted by the few specimens of actual sculpture left by themselves. In these the type approaches nearly to the



Babylonian Men,  
from the Assyrian sculptures.

<sup>8</sup> The most important work of this kind is the representation of a Babylonian king (probably Merodach-adan-akhi) on a black stone in the British Museum, which will be found engraved at p. 560. Other instances are—1, the warrior and the priest in the tablet from Sir-Pal-i-Zohab, given at p. 7 of

vol. iii., which, however, is perhaps rather Cushite than Semitic; 2, the man accompanying the Babylonian hound (Layard, *Nin. and Bab.* p. 527); and 3, the imperfect figures on the frieze represented below, p. 552.

<sup>9</sup> Layard, *Monuments of Nineveh*, Second Series, Pls. 25, 27, and 28.

Assyrian, while there is still such an amount of difference as renders it tolerably easy to distinguish between the productions of the two nations. The eye is larger, and not so decidedly almond-shaped; the nose is shorter, and its depression is still more marked; while the general expression of the countenance is altogether more commonplace.



Babylonian Woman,  
from the same.

These differences may be probably referred to the influence which was exercised upon the physical form of the race by the primitive or Proto-Chaldæan element, an influence which appears to have been considerable. This element, as has been already observed,<sup>10</sup> was predominantly Cushite; and there is reason to believe that the Cushite race was

connected not very remotely with the negro. In Susiana, where the Cushite blood was maintained in tolerable purity — Elymæans and Kissians existing side by side, instead of blending together<sup>11</sup> — there was, if we may trust the Assyrian remains, a very decided prevalency of a negro type of countenance, as the accompanying specimens, carefully copied from the sculptures, will render evident. The head was covered with



Susianians (Koyunjik).

short crisp curls; the eye was large, the nose and mouth nearly in the same line, the lips thick. Such a physiognomy as the Babylonian appears to have been would naturally arise from an intermixture of a race like the Assyrian with one resembling

<sup>10</sup> Supra, p. 497.

<sup>11</sup> For the separate existence in Susiana of Elymæans and Kissians, see Strab. xvi. 1, § 17, and Ptolemy, vi. 3.

That the Elymæans were Semitic seems to follow from Gen. x. 22. In the word "Kissian" we have probably a modification of "Cushite."

that which the later sculptures represent as the main race inhabiting Susiana.<sup>13</sup>

Herodotus remarks that the Babylonians wore their hair long;<sup>13</sup> and this remark is confirmed to some extent by the native remains. These in general represent the hair as forming a single stiff and heavy curl at the back of the head (No. 3). Sometimes, however, they make it take the shape of long flowing locks, which depend over the back (No. 1), or over the back and shoulders (No. 4), reaching nearly to the waist.



Heads of Babylonians,  
from the cylinders.



Head of an Elamitic Chief  
(Koyunjik).

Occasionally, in lieu of these commoner types, we have one which closely resembles the Assyrian, the hair forming a round mass behind the head (No. 2), on which we can sometimes trace indications of a slight wave. The national fashion, that to which Herodotus alludes, seems to be represented by the three commoner modes. Where the round mass is worn, we have probably an Assyrian fashion, which the Babylonians aped during the time of that people's pre-eminence.<sup>14</sup>

<sup>13</sup> The sculptures of Asshur-bani-pal exhibit two completely opposite types of Susianian physiognomy—one Jewish, the other approaching to the negro. In the former we have probably the Ela-

mitic countenance. It is comparatively rare, the negro type greatly predominating.

<sup>13</sup> Herod. i. 195.

<sup>14</sup> It will be observed that the Assyrian sculptures, while they gave a pecu-

Besides their flowing hair, the Babylonians are represented frequently with a large beard. This is generally longer than the Assyrian, descending nearly to the waist. Sometimes it curls crisply upon the face, but below the chin depends over the breast in long, straight locks. At other times it droops perpendicularly from the cheeks and the under lip.<sup>15</sup> Frequently, however, the beard is shaven off, and the whole face is smooth and hairless.<sup>1</sup>

The Chaldæan females, as represented by the Assyrians,<sup>2</sup> are tall and large-limbed. Their physiognomy is Assyrian, their hair not very abundant. The Babylonian cylinders, on the other hand, make the hair long and conspicuous, while the forms are quite as spare and meagre as those of the men.

On the whole, it is most probable that the physical type of the later Babylonians was nearly that of their northern neighbours. A somewhat sparer form, longer and more flowing hair, and features less stern and strong, may perhaps have characterised them. They were also, it is probable, of a darker complexion than the Assyrians, being to some extent Ethiopians by descent, and inhabiting a region which lies four degrees nearer to the tropics than Assyria. The Cha'ab Arabs, the present possessors of the more southern parts of Babylonia, are nearly black;<sup>3</sup> and the "black Syrians," of whom Strabo speaks,<sup>4</sup> seem intended to represent the Babylonians.

Among the moral and mental characteristics of the people, the first place is due to their intellectual ability. Inheriting a legacy of scientific knowledge, astronomical and arithmetical, from the Proto-Chaldæans,<sup>5</sup> they seem to have not only maintained but considerably advanced these sciences by their own

liar character to the Babylonian hair, do not make it descend below the shoulders. They generally represent it as worn smooth on the top of the head, and depending from the ears to the shoulders in a number of large, smooth, heavy curls. (See the woodcut, p. 499.)

<sup>15</sup> Here again the Assyrian artists tone down the Babylonian peculiarity, generally representing the beard as not much longer than their own.

<sup>1</sup> The priests upon the cylinders are

always beardless. We cannot suppose them to have been always, if indeed they were ever, eunuchs. Nanarus, a Babylonian prince, is said by Nicolas of Damascus to have been "right well shaven" (*κατεφύρνητορ εὖ μέλα*, Fr. 10, p. 360).

<sup>2</sup> Layard, *Monuments of Nineveh*, Second Series, Pls. 25, 27, and 28.

<sup>3</sup> Loftus, *Chaldaea and Susiana*, p. 285.

<sup>4</sup> Strab. xvi. 1, § 2.

<sup>5</sup> See above, vol. i. pp. 100-104.

efforts. Their "wisdom and learning" are celebrated by the Jewish prophets Isaiah, Jeremiah, and Daniel;<sup>6</sup> the Father of History records their valuable inventions;<sup>7</sup> and an Aristotle was not ashamed to be beholden to them for scientific data.<sup>8</sup> They were good observers of astronomical phenomena, careful recorders of such observations,<sup>9</sup> and mathematicians of no small repute.<sup>10</sup> Unfortunately, they mixed with their really scientific studies those occult pursuits which, in ages and countries where the limits of true science are not known, are always apt to seduce students from the right path, having attractions against which few men are proof, so long as it is believed that they can really accomplish the end that they propose to themselves. The Babylonians were astrologers no less than astronomers;<sup>11</sup> they professed to cast nativities, to expound dreams, and to foretell events by means of the stars; and though there were always a certain number who kept within the legitimate bounds of science, and repudiated the astrological pretensions of their brethren,<sup>12</sup> yet on the whole it must be allowed that their astronomy was fatally tinged with a mystic and unscientific element.

In close connection with the intellectual ability of the Babylonians, was the spirit of enterprise which led them to engage in traffic and to adventure themselves upon the ocean in ships. In a future chapter we shall have to consider the extent and probable direction of this commerce.<sup>13</sup> It is sufficient to observe in the present place that the same turn of mind which made the Phœnicians anciently the great carriers between the East and

<sup>6</sup> See Isaiah xlvii. 10: "Thy *wisdom* and thy *knowledge*, it hath perverted thee." Jerem. i. 35: "A sword is upon the Chaldeans, saith the Lord, and upon the inhabitants of Babylon, and upon her princes, and upon her *wise* men." Dan. i. 4: "The *learning* of the Chaldeans."

<sup>7</sup> Herod. ii. 109. It is uncertain, however, if the Semitised Babylonians, or the early Chaldeans, are the people intended by Herodotus.

<sup>8</sup> See the famous passage of Simplicius (ad Arist. *De Cælo*, ii. p. 123) quoted

at length in the first volume of this work, p. 101, note<sup>2</sup>.

<sup>9</sup> Plin. *H. N.* vii. 56; Diod. Sic. ii. 30, § 2.

<sup>10</sup> Strab. xvi. 1, § 6.

<sup>11</sup> Isaiah xlvii. 13; Dan. ii. 2; Diod. Sic. ii. 29, § 2; Strab. l. s. c.; Vitruv. ix. 4; &c.

<sup>12</sup> Strabo (l. s. c.), after speaking of the Chaldean astronomers, says: *προσποιούνται δὲ τινες καὶ λευεθλιαλογεῖν, οὗς οὐ καταδέχονται οἱ ἕτεροι*. But, in reality, astrology was the rule, pure astronomy the rare exception.

<sup>13</sup> *Infra*, ch. vi.

West, and which in modern times has rendered the Jews so successful in various branches of trade, seems to have characterised the Semitised Babylonians, whose land was emphatically "a land of traffic," and their chief city "a city of merchants."<sup>14</sup>

The trading spirit which was thus strongly developed in the Babylonian people, led naturally to the two somewhat opposite vices of avarice and over-luxuriousness. Not content with honourable gains, the Babylonians "coveted an evil covetousness," as we learn both from Habakkuk and Jeremiah.<sup>15</sup> The "shameful custom" mentioned by Herodotus,<sup>16</sup> which required as a religious duty that every Babylonian woman, rich or poor, highborn or humble, should once in her life prostitute herself in the temple of Beltis, was probably based on the desire of attracting strangers to the capital, who would either bring with them valuable commodities or purchase the productions of the country. The public auction of marriageable virgins<sup>17</sup> had most likely a similar intention. If we may believe Curtius,<sup>18</sup> strangers might at any time purchase the gratification of any passion they might feel, from the avarice of parents or husbands.

The luxury of the Babylonians is a constant theme with both sacred and profane writers. The "daughter of the Chaldæans" was "tender and delicate,"<sup>19</sup> "given to pleasures,"<sup>20</sup> apt to "dwell carelessly."<sup>21</sup> Her young men made themselves "as princes to look at—exceeding in dyed attire upon their heads,"<sup>22</sup>—painting their faces, wearing earrings, and clothing themselves in robes of soft and rich material.<sup>23</sup> Extensive polygamy prevailed.<sup>24</sup> The pleasures of the table were carried to excess. Drunkenness was common.<sup>25</sup> Rich unguents were invented.<sup>26</sup>

<sup>14</sup> Ezek. xvii. 4. Compare Isaiah xliii. 14.

<sup>15</sup> Habak. ii. 9; Jerem. li. 13.

<sup>16</sup> Herod. i. 199. See on this custom the remarks of Heeren. (*Asiatic Nations*, vol. ii. p. 199, E. T.)

<sup>17</sup> Herod. i. 196; Nic. Dam. Fr. 131.

<sup>18</sup> Q. Curt. *Hist. Alex.* v. 1 (p. 112, ed. Tauchn.): "Liberos conjugesque cum hospitibus stupro coire, modo pretium flagitii detur, parentes maritique patiuntur."

<sup>19</sup> Isaiah xlvii. 1.

<sup>20</sup> Ibid. ver. 8.

<sup>21</sup> Ibid.

<sup>22</sup> Ezek. xxiii. 15.

<sup>23</sup> Nic. Dam. Fr. 10.

<sup>24</sup> Dan. v. 2; Nic. Dam. Fr. 10, p. 362.

<sup>25</sup> Q. Curt. l. s. c. "Babylonii maxime in vinum, et quæ ebrietatem sequuntur, effusi sunt." Compare Xen. *Cyrop.* vii. 5, § 15; and Habak. ii. 5, 16.

<sup>26</sup> The Babylonian unguents were celebrated by Posidonius (Fr. 30). Com-

The tables groaned under the weight of gold and silver plate.<sup>27</sup> In every possible way the Babylonians practised luxuriousness of living, and in respect of softness and self-indulgence they certainly did not fall short of any nation of antiquity.

There was, however, a harder and sterner side to the Babylonian character. Despite their love of luxury, they were at all times brave and skilful in war; and, during the period of their greatest strength, they were one of the most formidable of all the nations of the East. Habakkuk describes them, drawing evidently from the life, as "bitter and hasty," and again as "terrible and dreadful—their horses' hoofs swifter than the leopard's, and more fierce than the evening wolves."<sup>28</sup> Hence they "smote the people in wrath with a continual stroke"<sup>29</sup>—they "made the earth to tremble, and did shake kingdoms"<sup>30</sup>—they carried all before them in their great enterprises, seldom allowing themselves to be foiled by resistance, or turned from their course by pity. Exercised for centuries in long and fierce wars with the well-armed and well-disciplined Assyrians, they were no sooner quit of this enemy, and able to take an aggressive attitude, than they showed themselves no unworthy successors of that long-dominant nation, so far as energy, valour, and military skill constitute desert. They carried their victorious arms from the shores of the Persian Gulf to the banks of the Nile; wherever they went, they rapidly established their power, crushing all resistance, and fully meriting the remarkable title, which they seem to have received from some of those who had felt their attacks, of "the hammer of the whole earth."<sup>1</sup>

The military successes of the Babylonians were accompanied with needless violence, and with outrages not unusual in the East, which the historian must nevertheless regard as at once crimes and follies. The transplantation of conquered races—a part of the policy of Assyria which the Chaldeans adopted—may perhaps have been morally defensible, notwithstanding the

pare Herod. i. 195: Μενυρισμένοι πάν τὸ σῶμα.

<sup>27</sup> Nic. Dam. Fr. 10, p. 363.

<sup>28</sup> Habakkuk, i. 6-8.

<sup>29</sup> Isaiah xiv. 6.

<sup>30</sup> Ibid. ver. 16.

<sup>1</sup> Jerem. i. 23. Compare the "Martel" given as a title to Charles the conqueror of the Saracens.



sufferings which it involved.<sup>2</sup> But the mutilations of prisoners,<sup>3</sup> the weary imprisonments,<sup>4</sup> the massacre of non-combatants,<sup>5</sup> the refinement of cruelty shown in the execution of children before the eyes of their fathers,<sup>6</sup>—these and similar atrocities, which are recorded of the Babylonians, are wholly without excuse, since they did not so much terrify as exasperate the conquered nations, and thus rather endangered than added strength or security to the empire. A savage and inhuman temper is betrayed by these harsh punishments,—a temper common in Asiatics, but none the less reprehensible on that account,—one that led its possessors to sacrifice interest to vengeance, and the peace of a kingdom to a tiger-like thirst for blood. Nor was this cruel temper shown only towards the subject nations and captives taken in war. Babylonian nobles trembled for their heads if they incurred by a slight fault the displeasure of the monarch;<sup>7</sup> and even the most powerful class in the kingdom, the learned and venerable “Chaldæans,” ran on one occasion the risk of being exterminated, because they could not expound a dream which the king had forgotten.<sup>8</sup> If a monarch displeased his court, and was regarded as having a bad disposition, it was not thought enough simply to make away with him, but he was put to death by torture.<sup>9</sup> Among recognised punishments were cutting to pieces and casting into a heated furnace.<sup>10</sup> The houses of offenders were pulled down and made into dunghills.<sup>11</sup> These practices imply a “violence” and cruelty beyond the ordinary Oriental limit; and we cannot be surprised that when final judgment was denounced against Babylon, it was declared to be sent, in a great measure, “because of men’s blood, and for the violence of the land—of the city, and all that dwelt therein.”<sup>12</sup>

It is scarcely necessary to add that the Babylonians were a proud people. Pride is unfortunately the invariable accom-

<sup>2</sup> See above, pp. 238, 239.

<sup>3</sup> 2 Kings xx. 18; xxv. 7; Jer. xxxix. 7; Hi. 11; Dan. i. 3.

<sup>4</sup> Jer. i. s. c.; 2 Kings xxv. 27.

<sup>5</sup> Jer. lli. 27; 2 Kings xxv. 21.

<sup>6</sup> Jer. xxxix. 6; lli. 10; 2 Kings xxv. 7.

<sup>7</sup> Dan. i. 10.

<sup>8</sup> Ibid. ii. 5-13.

<sup>9</sup> Beros. ap. Joseph. c. *Apion*. i. 20.

<sup>10</sup> Dan. ii. 5; lli. 6, 29.

<sup>11</sup> Ibid.

<sup>12</sup> Habak. ii. 8 and 17. Compare Isaiah xiv. 4-6; Jer. lli. 23, 24.

paniment of success, in the nation, if not in the individual; and the sudden elevation of Babylon from a subject to a dominant power must have been peculiarly trying, more especially to the Oriental temperament. The spirit which culminated in Nebuchadnezzar, when, walking in the palace of his kingdom, and surveying the magnificent buildings which he had raised on every side from the plunder of the conquered nations, and by the labour of their captive bands, he exclaimed, "Is not this great Babylon which I have built by the might of my power and for the honour of my majesty?"<sup>13</sup> — was rife in the people generally, who, naturally enough, believed themselves superior to every other nation upon the earth. "I am, and there is none else beside me," was the thought, if not the speech, of the people,<sup>14</sup> whose arrogancy was perhaps somewhat less offensive than that of the Assyrians, but was quite as intense and as deep-seated.<sup>15</sup>

The Babylonians, notwithstanding their pride, their cruelty, their covetousness, and their love of luxury, must be pronounced to have been, according to their lights, a religious people. The temple in Babylonia is not a mere adjunct of the palace, but has almost the same pre-eminence over other buildings which it claims in Egypt. The vast mass of the Birs-i-Nimrud is sufficient to show that an enormous amount of labour was expended in the erection of sacred edifices; and the costly ornamentation lavished on such buildings is, as we shall hereafter find,<sup>16</sup> even more remarkable than their size. Vast sums were also expended on images of the gods,<sup>17</sup> necessary adjuncts of the religion; and the whole paraphernalia of worship exhibited a rare splendour and magnificence.<sup>18</sup> The monarchs were devout worshippers of the various deities, and gave much of their attention to the building and repair of temples, the erection of images, and the like. They bestowed on their

<sup>13</sup> Dan. iv. 30.

<sup>14</sup> Isaiah xlvii. 8: "Thou sayest in thine heart, I am, and none else beside me." Compare ver. 10.

<sup>15</sup> Compare Isaiah xlii. 11; xiv. 13, 14; xlvii. 7; Jer. l. 29, 31, 32; Habak. ii. 5.

<sup>16</sup> See below, ch. v. p. 546.

<sup>17</sup> Dan. iii. 1; Herod. i. 183; Diod. Sic. ii. 9, §§ 5 and 6.

<sup>18</sup> Herod. i. 181-183; Diod. Sic. ii. 9, §§ 7 and 8.

children names indicative of religious feeling,<sup>19</sup> and implying real faith in the power of the gods to protect their votaries. The people generally affected similar names—names containing, in almost every case, a god's name as one of their elements.<sup>20</sup> The seals or signets which formed almost a necessary part of each man's costume,<sup>21</sup> were, except in rare instances, of a religious character. Even in banquets, where we might have expected that thoughts of religion would be laid aside, it seems to have been the practice during the drinking to rehearse the praises of the deities.<sup>22</sup>

We are told by Nicolas of Damascus that the Babylonians cultivated two virtues especially, honesty and calmness.<sup>23</sup> Honesty is the natural, almost the necessary virtue of traders, who soon find that it is the best policy to be fair and just in their dealings. We may well believe that this intelligent people had the wisdom to see their true interests, and to understand that trade can never prosper unless conducted with integrity and straightforwardness. The very fact that their trade did prosper, that their goods were everywhere in request,<sup>24</sup> is sufficient proof of their commercial honesty, and of their superiority to those tricks which speedily ruin a commerce.

Calmness is not a common Oriental virtue. It is not even in general very highly appreciated, being apt to strike the lively, sensitive, and passionate Eastern as mere dullness and apathy. In China, however, it is a point of honour that the outward demeanour should be calm and placid under any amount of provocation; and indignation, fierceness, even haste, are regarded as signs of incomplete civilisation, which the disciples of Confucius love to note in their would-be rivals of the West.

<sup>19</sup> As Nabu-kuduri-izzir, which means "Nebo is the protector of landmarks;" Bel-shar-izzir, which is "Bel protects the king," and Evil-Merodach (Ilu-Merodach), which may be "Merodach is a god."

<sup>20</sup> As Belibus, Belesia, Nergal-sharezer, Shangar-nebo, Nebu-zar-adan, Nabonidus, &c. &c.

<sup>21</sup> Herod. i. 195.

<sup>22</sup> Dan. v. 4: "They drank wine, and praised the gods of gold, and of silver, of brass, of iron, of wood, and of stone."

<sup>23</sup> Fr. 131. Ἀσσυριοὶ δὲ μάλιστα εὐθύτητα καὶ ἀοργησίαν. Nicolas speaks of "Assyrians;" but the context makes it clear that he means "Assyrians of Babylon."

<sup>24</sup> See below, ch. v. p. 570.

We may conceive that some similar notion was entertained by the proud Babylonians, who no doubt regarded themselves as infinitely superior in manners and culture, no less than in scientific attainments, to the "barbarians" of Persia and Greece. While rage boiled in their hearts, and commands to torture and destroy fell from their tongues, etiquette may have required that the countenance should be unmoved, the eye serene, the voice low and gentle. Such contrasts are not uncommonly seen in the polite Mandarin, whose apparent calmness drives his European antagonist to despair; and it may well be that the Babylonians of the sixth and seventh centuries before our era had attained to an equal power of restraining the expression of feeling. But real gentleness, meekness, and placability were certainly not the attributes of a people who were so fierce in their wars and so cruel in their punishments.

## CHAPTER IV.

## THE CAPITAL.

Πόλις ἡ μεγαλειότατος καὶ ισχυρότατος. — HEROD. i. 178.

BABYLON, the capital of the Fourth Monarchy, was probably the largest and most magnificent city of the ancient world. A dim tradition current in the East gave, it is true, a greater extent, if not a greater splendour, to the metropolis of Assyria; but this tradition first appears in ages long subsequent to the complete destruction of the more northern city;<sup>1</sup> and it is contradicted by the testimony of facts. The walls of Nineveh have been completely traced, and indicate a city three miles in length, by less than a mile and a half in breadth, containing an area of about 1800 English acres.<sup>2</sup> Of this area less than one-tenth is occupied by ruins of any pretension.<sup>3</sup> On the admitted site of Babylon striking masses of ruin cover a space considerably larger than that which at Nineveh constitutes the whole area of the town.<sup>4</sup> Beyond this space in every direction, north, east, south, and west, are detached mounds indicating the former existence of edifices of some size, while the intermediate ground between these mounds and the main ruins show distinct traces of its having been built upon in former days.<sup>5</sup>

Of the actual size of the town, modern research gives us no

<sup>1</sup> The tradition is first found in the time of Augustus, in the works of Diodorus and Strabo. Strabo says vaguely that Nineveh was "much larger than Babylon" (πολύ μείζων τῆς Βαβυλώνος, xvi. 1, § 3); Diodorus makes it nearly twice as large. (Compare ii. 3, § 2, with ii. 7, § 3.)

<sup>2</sup> See above, vol. i. pp. 252-256.

<sup>3</sup> The two mounds of Koyunjik and Nebbi Yunus cover together an area of 140 acres. (See above, vol. i. pp. 253, 254.)

<sup>4</sup> See below, p. 530.

<sup>5</sup> See Rich, *First Memoir on Babylon*, p. 7; Ker Porter, vol. ii. pp. 381, 382; Layard, *Nineveh and Babylon*, pp. 491, 492; Loftus, *Chaldaea and Susiana*, p. 15.

clear and definite notion. One explorer<sup>6</sup> only has come away from the country with an idea that the general position of the detached mounds, by which the plain around Hillah is dotted, enables him to draw the lines of the ancient walls, and mark out the exact position of the city. But the very maps and plans which are put forward in support of this view show that it rests mainly on hypothesis;<sup>7</sup> nor is complete confidence placed in the surveys on which the maps and plans have been constructed. The English surveys, which have been unfortunately lost,<sup>8</sup> are said not to have placed the detached mounds in any such decided lines as M. Oppert believes them to occupy, and the general impression of the British officers who were employed on the service is that "no vestige of the walls of Babylon has been as yet discovered."<sup>9</sup>

For the size and plan of the city we are thus of necessity thrown back upon the reports of ancient authors. It is not pretended that such reports are in this, or in any other case, deserving of implicit credence. The ancient historians, even the more trustworthy of them, are in the habit of exaggerating in their numbers;<sup>10</sup> and on such subjects as measurements, they were apt to take on trust the declarations of their native guides, who would be sure to make over-statements. Still, in this instance we have so many distinct authorities—eye-witnesses of the facts—and some of them belonging to times when scientific accuracy had begun to be appreciated, that we must be very incredulous if we do not accept their witness, so far as it is consentient, and not intrinsically very improbable.

According to Herodotus,<sup>11</sup> an eye-witness,<sup>12</sup> and the earliest

<sup>6</sup> M. Oppert. See his *Expédition scientifique en Mésopotamie*, tom. i. ch. viii. pp. 220-234.

<sup>7</sup> This is particularly observable with respect to the French *savant's* "outer wall," which has really no foundation at all in the topography of the country.

<sup>8</sup> A survey of the principal ruins was made and has been published by Captain Selby; but the more elaborate plans of Captain Jones, which included all the neighbouring country, have been mislaid, and are not at present available.

<sup>9</sup> Selby, *Memoir*, p. 3.

<sup>10</sup> On the numerical exaggerations of Herodotus, see the author's Essay prefixed to his *Herodotus*, vol. i. pp. 82, 83, note 4, 2nd edition.

<sup>11</sup> Herod. i. 178.

<sup>12</sup> I think no discerning reader can peruse the account of Babylon and the adjacent region given by Herodotus (i. 178-195), without feeling that the writer means to represent himself as having seen the city and country. Thus the question of whether he was an eye-



of the walls to 360 stades, or 41 miles, and made the area consequently little more than 100 square miles. These two estimates are respectively the greatest and the least that have come down to us. The historians of Alexander, while conforming nearly to the statements of Ctesias, a little enlarge his dimensions, making the circuit 365, 368, or 385 stades.<sup>14</sup> The differences here are inconsiderable; and it seems to be established, on a weight of testimony which we rarely possess in such a matter, that the walls of this great town were about forty miles in circumference, and enclosed an area as large as that of the Landgraviat of Hesse-Homburg.

It is difficult to suppose that the real city—the streets and squares—can at any time have occupied one-half of this enormous area. A clear space, we are told, was left for a considerable distance inside the wall<sup>15</sup>—like the *pomærium* of the Romans—upon which no houses were allowed to be built. When houses began, they were far from being continuous; gardens, orchards, even fields, were interspersed among the buildings; and it was supposed that the inhabitants, when besieged, could grow sufficient corn for their own consumption within the walls.<sup>16</sup> Still the whole area was laid out with straight streets, or perhaps one should say with roads (for the houses cannot have been continuous along them), which cut one another everywhere at right angles,<sup>17</sup> like the streets of some German towns.<sup>18</sup> The wall of the town was pierced with a hundred gates,<sup>19</sup> twenty-five (we may suppose) in each face, and the roads led straight to these portals, the whole area being thus cut up into square blocks. The houses were in general lofty, being three or even four stories high.<sup>20</sup> They

<sup>14</sup> Clitarchus made the circumference 365 stadia (ap. Diod. Sic. l. s. c.); Q. Curtius, 368 (*Hist. Alex.* v. 1); Strabo, perhaps following Nearchus, made it 385 (Strab. xvi. 1, § 5).

<sup>15</sup> Q. Curt. l. s. c. The perfectly clear space, according to this writer, extended for two stades—nearly a quarter of a mile—from the wall.

<sup>16</sup> Ibid. Herodotus, however, represents Labyrinthus, the last king, as carefully provisioning the city before its siege by Cyrus (l. 190).

<sup>17</sup> Herod. i. 180.

<sup>18</sup> Mannheim, for instance. In Greece this mode of laying out a town was called *ἰστροτάμιον νέμεισις*, from the architect of the Piræus, who laid out the town there, and also the city of Thurii, in this fashion. (See Arist. *Pol.* vii. 10; Hesych. *Lex.* ad voc. *ἰστροτάμιον*; Phot. *Acft. Συμμ.* p. 111; Diod. Sic. xii. 10.)

<sup>19</sup> Herod. i. 179.

<sup>20</sup> Ibid. 180.



are said to have had vaulted roofs, which were not protected externally with any tiling, since the climate was so dry as to render such a protection unnecessary.<sup>21</sup> The beams used in the houses were of palm-wood, all other timber being scarce in the country; and such pillars as the houses could boast were of the same material. The construction of these last was very rude. Around posts of palm-wood were twisted wisps of rushes, which were covered with plaster, and then coloured according to the taste of the owner.<sup>1</sup>

The Euphrates ran through the town, dividing it nearly in half.<sup>2</sup> Its banks were lined throughout with quays of brick laid in bitumen, and were further guarded by two walls of brick, which skirted them along their whole length. In each of these walls were twenty-five gates, corresponding to the number of the streets which gave upon the river; and outside each gate was a sloped landing-place, by which you could descend to the water's edge, if you had occasion to cross the river.<sup>3</sup> Boats were kept ready at these landing-places to convey passengers from side to side; while for those who disliked this method of conveyance a bridge was provided of a somewhat peculiar construction. A number of stone piers were erected in the bed of the stream, firmly clamped together with fastenings of iron and lead; wooden drawbridges connected pier with pier during the day, and on these passengers passed over; but at night they were withdrawn, in order that the bridge might not be used during the dark.<sup>4</sup> Diodorus declares that besides this bridge, to which he assigns a length of five stades (about 1000 yards) and a breadth of 30 feet,<sup>5</sup> the two sides of the river were joined together by a tunnel, which was fifteen feet wide and twelve high to the spring of its arched roof.<sup>6</sup>

The most remarkable buildings which the city contained were the two palaces, one on either side of the river, and the great temple of Belus. Herodotus describes<sup>7</sup> the great temple

<sup>21</sup> Strab. xvi. 1, § 5.

<sup>1</sup> Strab. l. s. c. *Περὶ τοὺς στύλους στρέφοντες ἐκ τῆς καλᾶς σχοινία περιτιθέασιν εἰς ἐπαλείφοντες χρώμασι καταγράφουσι,* κ. τ. λ.

<sup>2</sup> Ibid. 180.

<sup>4</sup> Ibid. 186.

<sup>5</sup> Diod. Sic. ii. 8, § 2.

<sup>6</sup> Ibid. 9, § 2.

<sup>7</sup> Herod. i. 181. Compare Strab. xvi. 1, § 5, where the temple is called "the tomb of Belus."

<sup>2</sup> Herod. i. 185.

as contained within a square enclosure, two stades (nearly a quarter of a mile) both in length and breadth. Its chief feature was the *ziggurat* or tower, a huge solid mass of brickwork, built (like all Babylonian temple-towers) in stages, square being emplaced on square, and a sort of rude pyramid being thus formed,<sup>8</sup> at the top of which was the main shrine of the god. The basement platform of the Belus tower was, Herodotus tells us, a stade, or rather more than 200 yards, each way. The number of stages was eight. The ascent to the highest stage, which contained the shrine of the god, was on the outside, and consisted either of steps, or of an inclined plane, carried round the four sides of the building, and in this way conducting to the top. According to Strabo the tower was a stade (606 feet 9 inches) in height; but this estimate, if it is anything more than a conjecture, must represent rather the length of the winding ascent than the real altitude of the building. The great pyramid itself was only 480 feet high; and it is very questionable whether any Babylonian building ever equalled it. About half-way up the ascent was a resting-place with seats, where persons commonly sat a while on their way to the summit.<sup>9</sup> The shrine which crowned the edifice was large and rich. In the time of Herodotus it contained no image; but only a golden table and a large couch, covered with a handsome drapery. This, however, was after the Persian conquest and the plunder of its principal treasures. Previously, if we may believe Diodorus,<sup>10</sup> the shrine was occupied by three colossal images of gold — one of Bel, one of Beltis, and a third of Rhea or Ishtar. Before the image of Beltis were two golden lions, and near them two enormous serpents of silver, each thirty talents in weight. The golden table — forty feet long and fifteen broad — was in front of these statues, and upon it stood two huge drinking-cups, of the same weight as the serpents. The shrine also contained two enormous censers and three golden bowls, one for each of the three deities.<sup>11</sup>

<sup>8</sup> Ἡν δὲ πύραμιν τετράγωνον εἶναι ὁμοῦς  
παλαιοὶ. (Strab. l. s. c.)

<sup>9</sup> Herod. l. s. c.

<sup>10</sup> Diod. Sic. ii. 9, § 5.

<sup>11</sup> Ibid. §§ 6-8.

At the base of the tower was a second shrine or chapel, which in the time of Herodotus contained a sitting image of Bel, made of gold, with a golden table in front of it, and a stand for the image, of the same precious metal.<sup>12</sup> Here, too, Persian avarice had been busy; for anciently this shrine had possessed a second statue, which was a human figure twelve cubits high, made of solid gold.<sup>13</sup> The shrine was also rich in private offerings. Outside the building, but within the sacred enclosure, were two altars, a smaller one of gold, on which it was customary to offer sucklings, and a larger one, probably of stone, where the worshippers sacrificed full-grown victims.<sup>14</sup>

The great palace was a building of still larger dimensions than the great temple. According to Diodorus, it was situated within a triple enclosure, the innermost wall being twenty stades, the second forty stades, and the outermost sixty stades (nearly seven miles), in circumference.<sup>15</sup> The outer wall was built entirely of plain baked brick. The middle and inner walls were of the same material, fronted with enamelled bricks representing hunting scenes. The figures, according to this author, were larger than the life, and consisted chiefly of a great variety of animal forms. There were not wanting, however, a certain number of human forms to enliven the scene; and among these were two — a man thrusting his spear through a lion, and a woman on horseback aiming at a leopard with her javelin — which the later Greeks believed to represent the mythic Ninus and Semiramis.<sup>16</sup> Of the character of the apartments we hear nothing; but we are told that the palace had three gates, two of which were of bronze, and that these had to be opened and shut by a machine.<sup>17</sup>

But the main glory of the palace was its pleasure-ground —

<sup>12</sup> Herod. i. 183. The Chaldean priests told Herodotus that the gold of the image, table, and stand, weighed altogether 800 talents.

<sup>13</sup> Herod. i. s. c.

<sup>14</sup> The great altar was also that on which a thousand talents' weight of frankincense was offered annually at the festival of the god. (Herod. i. s. c.)

<sup>15</sup> Diod. Sic. ii. 8, § 4. Quintus

Curtius knows, however, of only one enclosure, which corresponds to the innermost wall of Diodorus, having a circuit of twenty stades. According to Curtius, this wall was 80 feet high, and its foundations were laid 30 feet below the surface of the soil. (*Hist. Alex. Magn.* v. 1.)

<sup>16</sup> Diod. Sic. ii. 8, § 6.

<sup>17</sup> Ibid. § 7.

the "Hanging Gardens," which the Greeks regarded as one of the seven wonders of the world.<sup>18</sup> This extraordinary construction, which owed its erection to the whim of a woman,<sup>19</sup> was a square, each side of which measured 400 Greek feet.<sup>20</sup> It was supported upon several tiers of open arches, built one over the other, like the walls of a classic theatre,<sup>21</sup> and sustaining at each stage, or story, a solid platform, from which the piers of the next tier of arches rose. The building towered into the air to the height of at least seventy-five feet, and was covered at the top with a great mass of earth, in which there grew not merely flowers and shrubs, but trees also of the largest size.<sup>1</sup> Water was supplied from the Euphrates through pipes, and was raised (it is said) by a screw working on the principle of Archimedes.<sup>2</sup> To prevent the moisture from penetrating into the brick-work and gradually destroying the building, there were interposed between the bricks and the mass of soil, first a layer of reeds mixed with bitumen, then a double layer of burnt brick cemented with gypsum, and thirdly a coating of sheet lead.<sup>3</sup> The ascent to the garden was by steps.<sup>4</sup> On the way up, among the arches which sustained the building, were stately apartments,<sup>5</sup> which must have been pleasant from their coolness. There was also a chamber within the structure containing the machinery by which the water was raised.<sup>6</sup>

Of the smaller palace, which was opposite to the larger one, on the other side the river, but few details have come down to us. Like the larger palace, it was guarded by a triple enclos-

<sup>18</sup> Strab. xvi. 1, § 5.

<sup>19</sup> See below, ch. viii.

<sup>20</sup> Diod. Sic. ii. 10, § 2.

<sup>21</sup> Ibid. ὥστε τὴν πρόσφιν εἶναι θεατροειδή.

<sup>1</sup> Diod. Sic. ii. 10, § 5. Quintus Curtius says that the trunks of some of the trees were 12 feet in diameter. (*Hist. Alex. Magn.* v. 1.) Strabo relates that some of the piers were made hollow, and filled with earth, for the trees to strike their roots down them. But few trees have a tap-root.

<sup>2</sup> This is the explanation given of Strabo's κοχλίας, δ' ἐν τῷ ὕδαρ ἀντὶον εἰς τὸν κήπον ἀπὸ τοῦ Εὐφράτου συνεχῶς οἱ πρὸς

τοῦτο τεταγμένοι (xvi. 1, § 5; compare Diod. Sic. v. 37, § 3). It is more probable that the water was really raised by means of buckets and pulleys. (See above, vol. i. p. 404.)

<sup>2</sup> Diod. Sic. ii. 10, § 5.

<sup>4</sup> Strab. l. s. c. 'Ἡ δ' ἀνωτάτω στήγη προσβάσεις κλιμακώτας ἔχει.

<sup>5</sup> Διαιτὰ βασιλικαί. Diod. Sic. ii. 10, § 6.

<sup>6</sup> Ibid. For representations of Assyrian "hanging gardens," see vol. i. pp. 229, 585. This garden at Babylon must, however, have been far more complicated and more stately.

ure, the entire circuit of which measured (it is said) thirty stades.<sup>7</sup> It contained a number of bronze statues, which the Greeks believed to represent the god Belus, and the sovereigns Ninus and Semiramis, together with their officers. The walls were covered with battle scenes and hunting scenes, vividly represented by means of bricks painted and enamelled.<sup>8</sup>

Such was the general character of the town and its chief edifices, if we may believe the descriptions of eye-witnesses. The walls which enclosed and guarded the whole—or which, perhaps one should rather say, guarded the district within which Babylon was placed—have been already mentioned as remarkable for their great extent,<sup>9</sup> but cannot be dismissed without a more special and minute description. Like the “Hanging Gardens,” they were included among the “world’s seven wonders,”<sup>10</sup> and, according to every account given of them, their magnitude and construction were remarkable.

It has been already noticed that, according to the lowest of the ancient estimates, the entire length of the walls was 360 stades, or more than forty-one miles. With respect to the width, we have two very different statements,<sup>11</sup> one by Herodotus and the other by Clitarchus and Strabo. Herodotus<sup>12</sup> makes the width 50 royal cubits, or about 85 English feet, Strabo and Q. Curtius reduced the estimate to 32 feet.<sup>13</sup> There is still greater discrepancy with respect to the height of the walls. Herodotus says that the height was 200 royal cubits, or 300 royal feet (about 335 English feet); Ctesias made it 50 fathoms,

<sup>7</sup> Diod. Sic. ii. 8. § 7.

<sup>8</sup> Παράφεις καὶ κυνήγια, Diod. Sic. l. s. c. This statement of the subjects of Babylonian ornamentation is so completely in harmony with the practice of the Assyrians, that we cannot doubt its truth. War scenes and hunting scenes are decidedly those which predominated on the walls of an Assyrian palace. (See vol. i. p. 344.) It is curious to find the same habits continuing in the same regions as late as the time of the Emperor Julian. See Amm. Marc. xxiv. 6, where we hear of a “diversorium opacum et amœnum, gentiles picturas per omnes ædium partes ostendens, Regis

bestias multiplici venatione trucidantis;” to which the author adds the remark, “nec enim apud eos pingitur vel fingitur aliud præter varias cædes et bella.”

<sup>9</sup> Supra, p. 512.

<sup>10</sup> Strab. xvi. 1, § 5.

<sup>11</sup> The statement of Pliny (*H. N.* vi. 26), which Solinus copies (*Polyhist.* c. 60), may perhaps not rest on data distinct from those of Herodotus. These writers may merely soften down the cubits of Herodotus into feet.

<sup>12</sup> Herod. i. 178.

<sup>13</sup> Strab. l. s. c.; Q. Curtius, v. 1.

or 300 ordinary Greek feet;<sup>14</sup> Pliny and Solinus,<sup>15</sup> substituting feet for the royal cubits of Herodotus, made the altitude 235 feet; Philostratus<sup>16</sup> and Q. Curtius,<sup>17</sup> following perhaps some one of Alexander's historians, gave for the height 150 feet; finally Clitarchus, as reported by Diodorus Siculus,<sup>18</sup> and Strabo,<sup>19</sup> who probably followed him, have left us the very moderate estimate of 75 feet. It is impossible to reconcile these numbers. The supposition that some of them belong properly to the outer, and others to the inner wall,<sup>20</sup> will not explain the discrepancies—for the measurements cannot by any ingenuity be reduced to two sets of dimensions.<sup>1</sup> The only conclusion which it seems possible to draw from the conflicting testimony is, that the numbers were either rough guesses made by very unskilful travellers, or else were (in most cases) intentional exaggerations palmed upon them by the native *ciceroni*. Still the broad facts remain—first, that the walls enclosed an enormous space, which was very partially occupied by buildings;<sup>2</sup>

<sup>14</sup> Ap. Diod. Sic. ii. 7, § 3.

<sup>15</sup> See the passages quoted in note <sup>11</sup>. Pliny and Solinus make the royal foot exceed the common one by the same amount (3 fingers' breadth) by which Herodotus regards the royal as exceeding the common cubit.

<sup>16</sup> Philostr. *Vit. Alex. Tyan.* i. 25.

<sup>17</sup> Q. Curt. i. s. c.

<sup>18</sup> Diod. Sic. ii. 7, § 4.

<sup>19</sup> Strab. xvi. 1, § 5.

<sup>20</sup> This is M. Oppert's view. (See his *Expédition scientifique en Mésopotamie*, tom. i. p. 225.) The author of the present work was, he believes, the

first to suggest it. (See his article on Babylon in Dr. Smith's *Biblical Dictionary*, vol. i. p. 150.) On the whole, however, the view appears to him not to be tenable.

<sup>1</sup> Without reckoning the late and absurd Orosius, who gave the wall a breadth of 375 feet (*Hist.* ii. 6), or the blundering Scholiast on Juvenal (*Sat.* x. 171), who reversed the numbers of Pliny and Solinus, for the height and breadth, it must be said that there are really four different estimates for the height, and three for the width of the walls. See the subjoined table.

Estimates of Height.		Estimates of Width.	
	Feet.		Feet.
Herodotus (200 royal cubits) =	335	.. (50 royal cubits) =	85
Ctesias (50 fathoms) . . =	300	.. (unknown) . . .	..
Pliny (200 royal feet) . . =	235	.. (50 royal feet) . . =	60
Solinus (ditto) . . . . =	235	.. (ditto) . . . . .	60
Philostratus (3 half-plethra) =	150	.. (less than a plethron) .	..
Q. Curtius (100 cubits) . . =	150	.. (32 feet) . . . . .	32
Clitarchus (50 cubits) . . =	75	.. (unknown) . . . . .	..
Strabo (ditto) . . . . .	75	.. (32 feet) . . . . .	32

<sup>2</sup> See Arist. *Pol.* iii. 1. Τοιαύτη δ' ἴσως ἐστὶ καὶ Βαβυλὼν, καὶ πᾶσα ἥτις περιγραφὴν ἔχει μᾶλλον ἔθρους ἢ πόλεως· ἥτις γὰρ

φασὶν ἐκλεικνύεισιν τρίτην ἡμέραν οὐκ αἰσθάνεσθαι τι μέρος τῆς πόλεως. Compare Jerem. ii. 31.

secondly, that they were of great and unusual thickness;<sup>8</sup> and thirdly, that they were of a vast height<sup>4</sup>—seventy or eighty feet at least in the time of Alexander, after the wear and tear of centuries and the violence of at least three conquerors.<sup>5</sup>

The general character of the construction is open to but little doubt. The wall was made of bricks, either baked in kilns,<sup>6</sup> or (more probably) dried in the sun, and laid in a cement of bitumen, with occasional layers of reeds between the courses. Externally it was protected by a wide and deep moat. On the summit were low towers,<sup>7</sup> rising above the wall to the height of some ten or fifteen feet,<sup>8</sup> and probably serving as guard-rooms for the defenders. These towers are said to have been 250 in number;<sup>9</sup> they were least numerous on the western face of the city, where the wall ran along the marshes.<sup>10</sup> They were probably angular, not round; and instead of extending through the whole thickness of the wall, they were placed along its outer and inner edge, tower facing tower, with a wide space between them—“enough,” Herodotus says, “for a four-horse chariot to turn in.”<sup>11</sup> The wall did not depend on them for its strength, but on its own height and thickness, which were such as to render scaling and mining equally hopeless.

Such was Babylon, according to the descriptions of the ancients—a great city, built on a very regular plan, surrounded by populous suburbs interspersed among fields and gardens, the whole being included within a large square strongly fortified *enceinte*. When we turn from this picture of the past to contemplate the present condition of the localities, we are at first struck with astonishment at the small traces which remain of so vast and wonderful a metropolis. “The broad walls of Babylon” are “utterly broken” down, and her “high gates burned with fire.”<sup>12</sup> “The golden city hath ceased.”<sup>13</sup> God has

<sup>8</sup> Jerem. li. 58.

<sup>4</sup> Ibid. ver. 53.

<sup>5</sup> Cyrus, Darius, and Xerxes.

<sup>6</sup> So Herodotus (l. 179, ἐκκυσσάντες δὲ πλίνθους ἱκανάς, ὥστησαν αὐτάς ἐν καμνίοισι). But we may be tolerably certain that crude brick formed the main material, and that at the utmost the facings were of burnt brick.

<sup>7</sup> See the description of Herodotus (l. s. c.).

<sup>8</sup> Q. Curtius says 10 feet (v. 1); Strabo, 10 cubits (xvi. 1, § 5).

<sup>9</sup> Diod. Sic. ii. 7, § 4.

<sup>10</sup> Ibid. § 5.

<sup>11</sup> Herod. l. s. c.

<sup>12</sup> Jerem. li. 58.

<sup>13</sup> Isaiah xiv. 4.

"swept it with the besom of destruction."<sup>14</sup> "The glory of the kingdoms, the beauty of the Chaldees' excellency," is become "as when God overthrew Sodom and Gomorrha."<sup>15</sup> The traveller who passes through the land is at first inclined to say that there are no ruins, no remains, of the mighty city which once lorded it over the earth. By and by, however, he begins to see that though ruins, in the common acceptation of the term, scarcely exist—though there are no arches, no pillars, but one or two appearances of masonry even—yet the whole country is covered with traces of exactly that kind which it was prophesied Babylon should leave.<sup>16</sup> Vast "heaps" or mounds, shapeless and unsightly, are scattered at intervals over the entire region where it is certain that Babylon anciently stood, and between the "heaps" the soil is in many places composed of fragments of pottery and bricks, and deeply impregnated with nitre, infallible indications of its having once been covered with buildings. As the traveller descends southward from Baghdad he finds these indications increase, until, on nearing the Euphrates, a few miles beyond Mohawil, he notes that they have become continuous, and finds himself in a region of mounds, some of which are of enormous size.

These mounds begin about five miles above Hillah,<sup>1</sup> and extend for a distance of above three miles<sup>2</sup> from north to south along the course of the river, lying principally on its left or eastern bank. The ruins on this side consist chiefly of three great masses of building. The most northern, to which the Arabs of the present day apply the name of BABIL<sup>3</sup>—the true native appellation of the ancient city<sup>4</sup>—is a vast pile of brick-work of an irregular quadrilateral shape, with precipitous sides

<sup>14</sup> Isaiah xiv. 23.

<sup>15</sup> Ibid. xlii. 19.

<sup>16</sup> Jerem. li. 37. "And Babylon shall become heaps." Compare i. 26.

<sup>1</sup> Layard, *Nineveh and Babylon*, p. 502.

<sup>2</sup> Six thousand yards (nearly 3½ miles), according to Captain Selby. (*Memoir on the Ruins of Babylon*, p. 4.)

<sup>3</sup> This is the Mujelibé ("the overturned") of Rich (*Memoirs on Babylon*, passim), and Ker Porter (*Travels*, vol. ii. pp. 339-349). The Arabs now apply the

name Mujelibé to the central or Kasr heap (Layard, *Nin. and Bab.* p. 505).

<sup>4</sup> The final syllable in Babyl-on is a Greek nominative ending. The real name of the city was *Bab-il*, "the Gate of the God Il," or "the Gate of God." The Jews changed the name to Babel בָּבֶל in derisive reference to the "confusion of tongues."



furrowed by ravines, and with a flat top. Of the four faces of the ruin the southern seems to be the most perfect.<sup>5</sup> It extends a distance of about 200 yards,<sup>6</sup> or almost exactly a stade, and runs nearly in a straight line from west to east. At its



View of the Babil Mound from the Kaar.

eastern extremity it forms a right angle with the east face,<sup>7</sup> which runs nearly due north for about 180 yards,<sup>8</sup> also almost in a straight line. The western and northern faces are apparently much worn away. Here are the chief ravines, and here

<sup>5</sup> Oppert, *Expédition scientifique*, tom. i. p. 169.

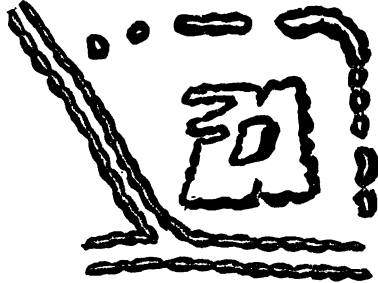
<sup>6</sup> Rich made the length of the south side of Babil 219 yards (*First Memoir*, p. 28); M. Oppert (l. s. c.) makes it 180 mètres (197 yards).

<sup>7</sup> Oppert, l. s. c.

<sup>8</sup> Rich, l. s. c. Compare M. Oppert's plan of the ruin. Ker Porter's 230 feet (*Travels*, vol. ii. p. 340) is an extraordinary misrepresentation.

is the greatest seeming deviation from the original lines of the building. The greatest height of the Babil mound is 130 or 140 feet.<sup>9</sup> It is mainly composed of sun-dried brick, but shows signs of having been faced with fire-burnt brick, carefully cemented with an excellent white mortar.<sup>10</sup> The bricks of this outer facing bear the name and titles of Nebuchadnezzar. A very small portion of the original structure has been laid bare — enough however to show that the lines of the building did not slope like those of a pyramid,<sup>11</sup> but were perpendicular, and that the side walls had, at intervals, the support of buttresses.<sup>12</sup>

This vast building, whatever it was, stood within a square enclosure, two sides of which, the northern and eastern, are still very distinctly marked.<sup>13</sup> A long low line of rampart runs for 400 yards parallel to the east face of the building, at a distance of 120 or 130 yards, and a similar but somewhat longer line of mound runs parallel to the north face at rather a greater distance from it. On the west a third line could be traced in the early part of the present century;<sup>14</sup> but it appears to be now obliterated. Here and on the south are the remains of an ancient canal,<sup>15</sup> the construction of which may have caused the disappearance of the southern, and of the lower part of the western line.



Ground-plan of the Babil Mound, with its Rampart, and traces of an old Canal.

Below the Babil mound, which stands isolated from the rest of the ruins, are two principal masses — the more northern known

<sup>9</sup> Rich estimated the height of the S.E. or highest angle at 141 feet. M. Oppert gives the greatest height of the ruin as 40 mètres, or 131 feet. (*Expédition*, tom. i. p. 168.)

<sup>10</sup> Layard, *Nineveh and Babylon*, p. 505.

<sup>11</sup> M. Oppert regards the Babil mound as the "Tomb of Belus," which he distinguishes from the Temple of Bel. He

gives it the shape of a pyramid, inclined at an angle of about 65 degrees.

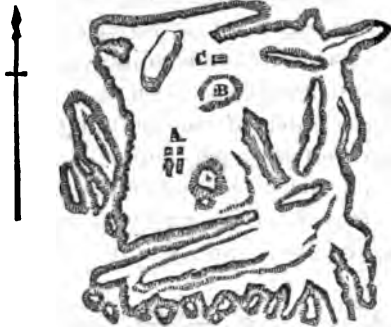
<sup>12</sup> Layard, l. s. c.

<sup>13</sup> See the plans of Ker Porter (*Travels*, vol. ii. Pl. 73, opp. p. 349) and Selby. M. Oppert wholly omits this enceinte.

<sup>14</sup> Ker Porter, p. 345.

<sup>15</sup> See the above plan, which follows the map of Captain Selby.

to the Arabs as EL KASR, "the Palace," and the more southern as "the mound of Amran," from the tomb of a reputed prophet Amrán-ibn-All, which crowns its summit.<sup>16</sup> The Kasr mound



Ground-plan of the Kasr Mound, according to M. Oppert.

A. Ruins of Palace. B. Solitary tree. C. Colossal lion.

is an oblong square, about 700 yards long by 600 broad,<sup>17</sup> with the sides facing the cardinal points. Its height<sup>18</sup> above the plain is 70 feet. Its longer direction is from north to south. As far as it has been penetrated, it consists mainly of rubbish—loose bricks, tiles, and fragments of stone.<sup>19</sup> In a few

places only are there undisturbed remains of building.

One such relic is a subterranean passage, seven feet in height, floored and walled with baked brick, and covered in at the top with great blocks of sandstone,<sup>20</sup> which may either have been a secret exit, or more probably an enormous drain. Another is the Kasr, or "palace" proper, whence the mound has its name. This is a fragment of excellent brick masonry in a wonderful state of preservation, consisting of walls, piers, and buttresses, and in places ornamented with pilasters,<sup>1</sup> but of too fragmentary a character to furnish the modern enquirer with any clue to the original plan of the building. The bricks are of a pale yellow colour and of the best possible quality, nearly resembling our fire-bricks.<sup>2</sup> They are stamped, one and all, with the name and titles of Nebuchadnezzar. The mortar in which they are laid is a fine lime cement, which adheres so closely to the bricks that it is

<sup>16</sup> Layard, *Nin. and Bab.* p. 508; Loftus, *Chaldea and Susiana*, p. 17.

<sup>17</sup> "Seven hundred yards both in length and breadth" (Rich, *First Memoir*, p. 22). "Its length is nearly 800 yards, its breadth 600" (Ker Porter, *Travels*, vol. ii. p. 355). Captain Selby and M. Oppert agree in giving the ruin an oblong shape.

<sup>18</sup> Ker Porter, p. 355.

<sup>19</sup> Layard, *Nin. and Bab.* p. 505.

<sup>20</sup> Rich, *First Memoir*, pp. 23, 24; Layard, p. 506.

<sup>1</sup> Layard, pp. 505, 506. Compare Rich, p. 25.

<sup>2</sup> Rich, pp. 22 and 61.

difficult to obtain a specimen entire.<sup>3</sup> In the dust at the foot of the walls are numerous fragments of brick, painted, and covered with a thick enamel or glaze.<sup>4</sup> Here, too, have been found a few fragments of sculptured stone,<sup>5</sup> and slabs containing an account of the erection of a palatial edifice by Nebuchadnezzar.<sup>6</sup> Near the northern edge of the mound, and about midway in its breadth, is a colossal figure of a lion,<sup>7</sup> rudely carved in black basalt, standing over the prostrate figure of a man with arms outstretched. A single tree grows on the huge ruin, which the Arabs declare to be of a species not known elsewhere, and regard as a remnant of the hanging garden of Bokht-i-nazar. It is a tamarisk of no rare kind, but of very great age, in consequence of which, and of its exposed position, the growth and foliage are somewhat peculiar.<sup>8</sup>

South of the Kasr mound, at the distance of about 800 yards, is the remaining great mass of ruins, the mound of Jumjuma, or of Amran. The general shape of this mound is triangular,<sup>9</sup> but it is very irregular and ill-defined, so as scarcely to admit of accurate description.<sup>10</sup> Its three sides face respectively a little east of north, a little south of east, and a little south of west. The south-western side, which runs nearly parallel with the Euphrates, and seems to have been once washed by the river,<sup>11</sup> is longer than either of the others, extending a distance of above a thousand yards,<sup>12</sup> while the south-eastern may be 800 yards, and the north-eastern 700. Innumerable ravines traverse the

<sup>3</sup> Layard, p. 506; Rich, p. 25; Ker Porter, vol. ii. pp. 365, 366.

<sup>4</sup> Layard, p. 507; Oppert, tom. i. p. 143.

<sup>5</sup> As the frieze discovered by Mr. Layard (*Nin. and Bab.* p. 508), of which a representation is given below (p. 552), and one or two fragments recovered by the French.

<sup>6</sup> See the author's *Herodotus*, vol. ii. p. 480, 2nd edition. Compare Oppert, *Expédition*, tom. i. p. 149.

<sup>7</sup> Layard, p. 507; Oppert, tom. i. p. 148. According to the latter author, the length of the lion is four *mètres*, or 13½ feet, and its height three *mètres*, or 9 feet 10 inches.

<sup>8</sup> Oppert, pp. 147, 148.

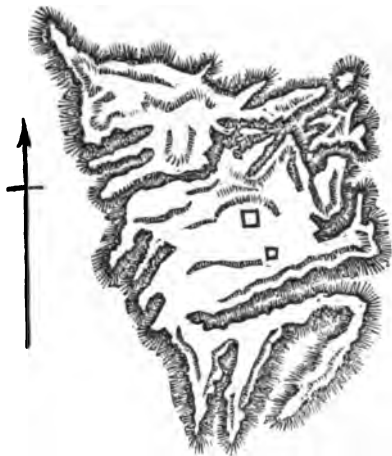
<sup>9</sup> Ker Porter, vol. ii. p. 371. M. Oppert calls it a trapezium (p. 157), but his plan is, roughly speaking, a triangle. Rich says it is shaped like a quadrant (p. 21).

<sup>10</sup> Layard, *Nin. and Bab.* p. 509, note.

<sup>11</sup> See the author's article on "Babylon," in Dr. Smith's *Biblical Dictionary*, vol. i. p. 151. Compare Oppert, *Expédition*, tom. i. p. 157.

<sup>12</sup> Rich says the length is 1100 yards, and the greatest breadth 800 (p. 21). M. Oppert calls the greatest length 500 *mètres* (547 yards); but his own plan shows a distance of 600 *mètres* (656 yards). Capt. Selby's map agrees nearly with Rich.

mound on every side, penetrating it nearly to its centre. The surface is a series of undulations. Neither masonry nor sculpture is anywhere apparent. All that meets the eye is a mass of *débris*; and the researches hitherto made have failed to bring



Plan of the Mound of Amran, according to M. Oppert.

to light any distinct traces of building. Occasional bricks are found, generally of poor material, and bearing the names and titles of some of the earlier Babylonian monarchs; but the trenches opened in the pile have in no case laid bare even the smallest fragment of a wall.<sup>13</sup>

Besides the remains which have been already described, the most remarkable are certain long lines of rampart on both sides of the river, which lie outside the other ruins, enclosing them all, except

the mound of Babil. On the left bank of the stream there is to be traced, in the first place, a double line of wall or rampart, having a direction nearly due north and south,<sup>1</sup> which lies east of the Kasr and Amran mounds, at the distance from them of about 1000 yards. Beyond this is a single line of rampart to the north-east, traceable for about two miles, the direction of which is nearly from north-west to south-east, and a double line of rampart to the south-east,<sup>2</sup> traceable for a mile and a half, with a direction from north-east to south-west. The two lines in this last case are from 600 to 700 yards apart, and diverge from one another as they run out to the north-east.

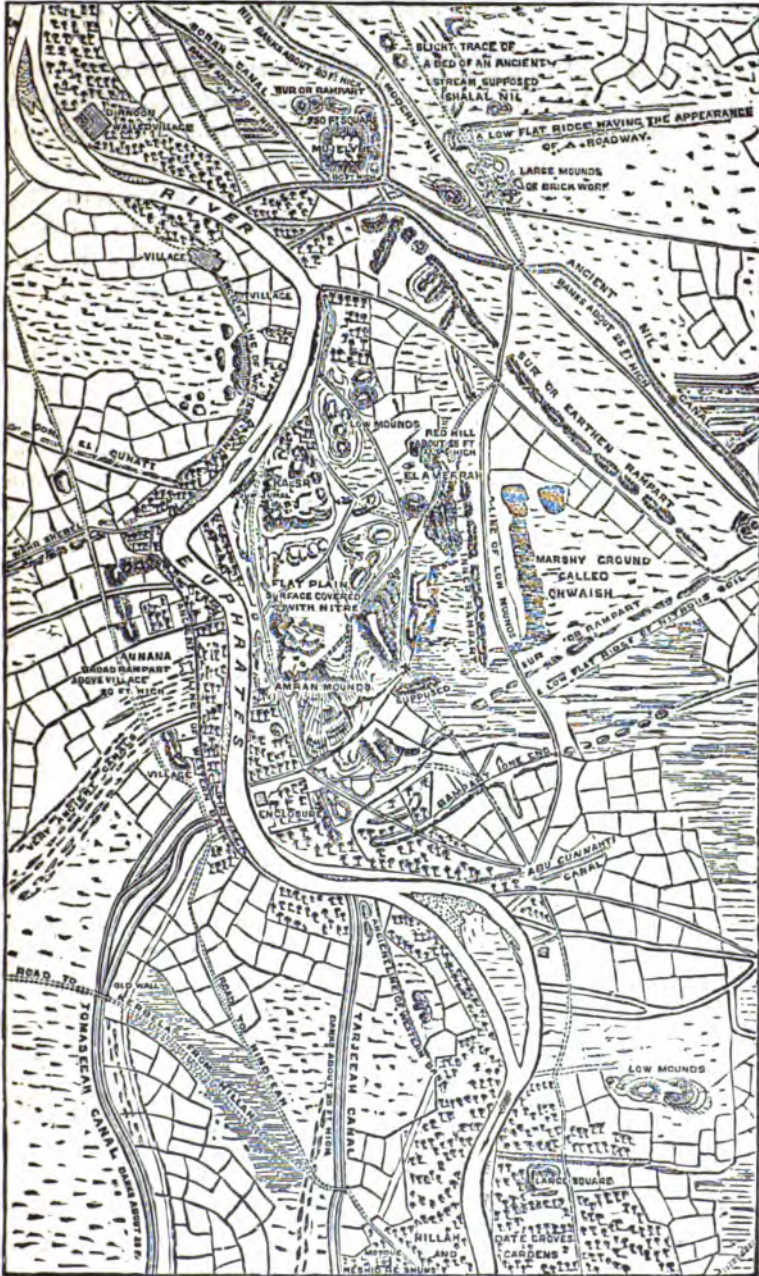
<sup>13</sup> See Layard, *Nin. and Bab.* p. 509.

<sup>1</sup> See the plans of Rich, Ker Porter, and Selby, which all mark very distinctly the double line in question. Capt. Selby's survey makes the two lines not quite parallel, and gives both of them a slight leaning to the west of

north. M. Oppert's plan represents them very meagrely and untruly.

<sup>2</sup> M. Oppert has only a single line here; but a double line is shown by all the other authorities. The true direction of the line was for the first time given by Captain Selby.





### General Chart of the Ruins of Babylon.

The inner of the two meets the north-eastern rampart nearly at a right angle, and is clearly a part of the same work. It is questioned, however, whether this line of fortification is ancient, and not rather a construction belonging to Parthian times.<sup>3</sup>

A low line of mounds is traceable between the western face of the Amran and Kasr hills, and the present eastern bank of the river, bounding a sort of narrow valley, in which either the main stream of the Euphrates, or at any rate a branch from it, seems anciently to have flowed.

On the right bank of the stream the chief remains are of the same kind. West of the river, a rampart, twenty feet high,<sup>4</sup> runs for nearly a mile<sup>5</sup> parallel with the general line of the Amran mound, at the distance of about 1000 yards from the old course of the stream. At either extremity the line of the rampart turns at a right angle, running down towards the river, and being traceable towards the north for 400 yards and towards the south for fifty or sixty.<sup>6</sup> It is evident that there was once, before the stream flowed in its present channel, a rectangular enclosure, a mile long and 1000 yards broad, opposite to the Amran mound; and there are indications that within this *enceinte* was at least one important building, which was situated near the south-east angle of the enclosure, on the banks of the old course of the river. The bricks found at this point bear the name of Neriglissar.

There are also, besides these ramparts and the great masses of ruin above described, a vast number of scattered and irregular heaps or hillocks on both sides of the river, chiefly, however, upon the eastern bank. Of these one only seems to deserve distinct mention. This is the mound called El Homeira, "the Red," — which lies due east of the Kasr, distant from it about 800 yards, — a mound said to be 800 yards long by 100 wide,<sup>7</sup>

<sup>3</sup> This is the opinion of Sir H. Rawlinson. M. Oppert regards the work as Babylonian.

<sup>4</sup> So Capt. Selby. See his Map, Sheet I.

<sup>5</sup> The line has several gaps, more especially one very wide one in the middle; through which no fewer than five canals have passed at some time or

other. But the position of the fragments which remain sufficiently indicates that the work was originally continuous.

<sup>6</sup> See Capt. Selby's plan, which is the only trustworthy authority for the ruins on the right bank.

<sup>7</sup> Ker Porter, *Travels*, vol. ii. p. 353.

and to attain an elevation of 60 or 70 feet.<sup>8</sup> It is composed of baked brick of a bright red colour, and must have been a building of a very considerable height resting upon a somewhat confined base. Its bricks are inscribed along their edges, not (as is the usual practice) on their lower face.<sup>9</sup>

The only other ancient work of any importance of which some remains are still to be traced, is a brick embankment on the left bank of the stream between the Kasr and the Babil mounds,<sup>10</sup> extending for a distance of a thousand yards in a line which has a slight curve and a general direction of S.S.W. The bricks of this embankment are of a bright red colour, and of great hardness.<sup>11</sup> They are laid wholly in bitumen. The legend which they bear shows that the quay was constructed by Nabonidus.

Such then are the ruins of Babylon—the whole that can now with certainty be assigned to the “beauty of the Chaldees’ excellency”<sup>12</sup>—the “great Babylon” of Nebuchadnezzar.<sup>13</sup> Within a space little more than three miles long and a mile and three quarters broad are contained all the undoubted remains<sup>14</sup> of the greatest city of the old world. These remains, however, do not serve in any way to define the ancient limits of the place. They are surrounded on every side by nitrous soil, and by low heaps which it has not been thought worth while to excavate, but which the best judges assign to the same era as the great mounds, and believe to mark the sites of the lesser temples and the other public buildings of the ancient city. Masses of this kind are most frequent to the north and east. Some-

<sup>8</sup> Ker Porter, l. s. c. Captain Selby makes the height 65 feet (see his Map, Sheet I.). M. Oppert calls the mound “very lofty” (*très-élevé*), but he gives no estimate of its height. (*Expédition*, tom. i. p. 183.)

<sup>9</sup> Ker Porter, vol. ii. p. 354.

<sup>10</sup> This embankment is placed too low in the very imperfect chart of the ruins, which the author drew for the first edition of his *Herodotus* (vol. ii. p. 571). He owes an apology to M. Oppert for having found fault with his emplacement of the work. Capt. Selby’s survey shows that in this point M. Oppert was perfectly correct.

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<sup>11</sup> Oppert, *Expédition*, tom. i. p. 184.

<sup>12</sup> Isaiah xlii. 19.

<sup>13</sup> Dan. iv. 30.

<sup>14</sup> As we do not know what position in the city the Royal quarter occupied (for we must not press the *εἰς μέσος* of Herodotus), we cannot say with absolute certainty that the city contained even such groups as, for instance, those east and north-east of Babil, or again those on the west bank opposite the quay of Nabonidus. It is of course *highly probable* that these and all other neighbouring mounds formed a part of the ancient town.



times they are almost continuous for miles; and if we take the Kasr mound as a centre, and mark about it an area extending five miles in each direction (which would give a city of the size described by Ctesias and the historians of Alexander), we shall scarcely find a single square mile of the hundred without some indications of ancient buildings upon its surface. The case is not like that of Nineveh, where outside the walls the country is for a considerable distance singularly bare of ruins.<sup>15</sup> The mass of Babylonian remains extending from Babil to Amran does not correspond to the whole *enceinte* of Nineveh, but to the mound of Koyunjik. It has every appearance of being, not the city, but "the heart of the city"<sup>16</sup> — the "Royal quarter"<sup>17</sup> outside of which were the streets and squares, and still further off, the vanished walls. It may seem strange that the southern capital should have so greatly exceeded the dimensions of the northern one. But, if we follow the indications presented by the respective sites, we are obliged to conclude that there was really this remarkable difference.

It has to be considered in conclusion how far we can identify the various ruins above described with the known buildings of the ancient capital, and to what extent it is possible to reconstruct upon the existing remains the true plan of the city. Fancy, if it discards the guidance of fact, may of course with the greatest ease compose plans of a charming completeness. A rigid adherence to existing data will produce, it is to be feared, a somewhat meagre and fragmentary result; but most persons will feel that this is one of the cases where the maxim of Hesiod<sup>18</sup> applies — *πλέον ἥμισυ παρτός* — "the half is preferable to the whole."

The one identification which may be made upon certain and indeed indisputable evidence is that of the Kasr mound with the palace built by Nebuchadnezzar.<sup>19</sup> The tradition which has attached the name of Kasr or "Palace" to this heap is

<sup>15</sup> See above, vol. i. p. 250.

<sup>16</sup> Layard, *Nineveh and Babylon*, p. 491:—"Southward of Babel for the distance of nearly three miles there is almost an uninterrupted line of mounds, the ruins of vast edifices, collected together as in the heart of a great city."

<sup>17</sup> M. Oppert (*Expédition scientifique, Maps*) calls the whole mass of ruins from Babil to Amran the "*cité royale de Babylone*."

<sup>18</sup> Hes. *Op. et. D. l.* 40.

<sup>19</sup> Berosus, *Fr.* 14.

confirmed by inscriptions upon slabs found on the spot, wherein Nebuchadnezzar declares the building to be his "Grand Palace."<sup>1</sup> The bricks of that part of the ruin which remains uncovered bear, one and all, the name of this king;<sup>2</sup> and it is thus clear that here stood in ancient times the great work of which Berosus speaks as remarkable for its height and splendour.<sup>3</sup> If a confirmation of the fact were needed after evidence of so decisive a character, it would be found in the correspondence between the remains found on the mound and the description left us of the "greater palace" by Diodorus. Diodorus relates that the walls of this edifice were adorned with coloured representations of hunting scenes;<sup>4</sup> and modern explorers find that the whole soil of the mound, and especially the part on which the fragment of ruin stands, is full of broken pieces of enamelled brick, varied in hue, and evidently containing portions of human and animal forms.<sup>5</sup>

But if the Kasr represents the palace built by Nebuchadnezzar, as is generally allowed by those who have devoted their attention to the subject,<sup>6</sup> it seems to follow almost as a certainty,<sup>7</sup> that the Amran mound is the site of that old palatial edifice to which the erection of Nebuchadnezzar was an addition. Berosus expressly states that Nebuchadnezzar's building "adjoined upon" the former palace,<sup>8</sup> a description which is fairly applicable to the Amran mound by means of a certain latitude of interpretation,

<sup>1</sup> According to M. Oppert, several pavement slabs found on the Kasr mound bear the following inscription:

"Grand palace of Nebuchadnezzar, king of Babylon, son of Nabopolassar, king of Babylon, who walked in the worship of the gods Nebo and Merodach, his lords."

See the *Expédition scientifique*, tom. i. p. 149.

<sup>2</sup> Layard, *Nineveh and Babylon*, p. 506. The bricks are all laid with the inscription downwards, a sure sign that they have never been disturbed, but remain as Nebuchadnezzar's builders placed them.

<sup>3</sup> Berosus, Fr. 14. Βασιλεία . . . ὅν τὸ μὲν ἀνάστημα καὶ τὴν ἐπίραν πολυτέλειαν περισσὸν ἴσως ἀν εἰη λέγειν.

<sup>4</sup> Diod. Sic. ii. 8, § 6.

<sup>5</sup> Layard, *Nineveh and Babylon*, p. 507; Oppert, *Expédition scientifique*, tom. i. pp. 143-145. Portions of a lion, of a horse, and of a human face, have been distinctly recognised.

<sup>6</sup> M. Oppert agrees on this point with Mr. Layard and Sir Henry Rawlinson (*Expédition*, tom. i. pp. 140-156).

<sup>7</sup> M. Oppert (*Expédition*, tom. i. pp. 157-167) argues that the Mound of Amran represents the ancient "hanging gardens." But his own estimate of its area is 15 hectares (37 acres), while the area of the "hanging gardens" was less than four acres according to Strabo (xvi. 1, § 5) and Diodorus (ii. 10, § 2).

<sup>8</sup> Beros. l. s. c. Προσκατεσκεύασε τοῖς πατρικοῖς Βασιλείοις ἔτερα Βασιλεία ἐχόμενα αὐτῶν. M. Oppert wholly omits to locate the ancient palace.

but which is wholly inapplicable to any of the other ruins. This argument would be conclusive, even if it stood alone. It has, however, received an important corroboration in the course of recent researches. From the Amran mound, and from this part of Babylon only, have monuments been recovered of an earlier date than Nebuchadnezzar.<sup>9</sup> Here and here alone did the early kings leave memorials of their presence in Babylon; and here consequently, we may presume, stood the ancient royal residence.

If, then, all the principal ruins on the east bank of the river, with the exception of the Babil mound and the long lines marking walls or embankments, be accepted as representing the "great palace" or "citadel" of the classical writers, we must recognise in the remains west of the ancient course of the river — the oblong square enclosure and the important building at its south-east angle<sup>10</sup> — the second or "smaller palace" of Ctesias, which was joined to the larger one, according to that writer, by a bridge and a tunnel.<sup>11</sup> This edifice, built or at any rate repaired by Neriglissar,<sup>12</sup> lay directly opposite the more ancient part of the eastern palace, being separated from it by the river, which anciently flowed along the western face of the Kasr and Amran mounds. The exact position of the bridge cannot be fixed.<sup>13</sup> With regard to the tunnel, it is extremely unlikely that any such construction was ever made.<sup>14</sup> The "Father of History" is wholly silent on the subject, while he carefully describes the bridge, a work far less extraordinary. The tunnel rests on the authority of two writers only — Diodorus<sup>15</sup> and Philostratus<sup>16</sup> — who both wrote after Babylon was completely ruined. It was probably one of the imaginations of the inventive Ctesias, from whom Diodorus evidently derived all the main points of his description.

<sup>9</sup> See *British Museum Series*, vol. 1. Pl. iii. No. 7; Pl. xlviii. No. 9.

<sup>10</sup> See above, p. 528.

<sup>11</sup> Diod. Sic. ii. 8, § 3; 9, § 2.

<sup>12</sup> The bricks of this ruin are stamped with Neriglissar's name. Here too was found his cylinder with the inscription given in the *British Museum Series*, vol. 1. Pl. 67.

<sup>13</sup> M. Oppert regards the bridge of

Diodorus (ii. 8, § 2) as a pure invention (*Exp. scientifique*, tom. i. p. 193). He supposes the real bridge — that of Herodotus and Quintus Curtius — to have been "a little south of Hillah" (*ibid.*). But this is a mere conjecture.

<sup>14</sup> The tunnel is accepted by M. Oppert (*l. s. c.*).

<sup>15</sup> Diod. Sic. ii. 9, § 2.

<sup>16</sup> Philostr. *Vit. Apoll. Tyan.* i. 25.

Thus far there is no great difficulty in identifying the existing remains with buildings mentioned by ancient authors; but, at the point to which we are now come, the subject grows exceedingly obscure, and it is impossible to offer more than reasonable conjectures upon the true character of the remaining ruins. The descriptions of ancient writers would lead us to expect that we should find among the ruins unmistakable traces of the great temple of Belus, and at least some indication of the position occupied by the Hanging Gardens. These two famous constructions can scarcely, one would think, have wholly perished. More especially, the Belus temple, which was a stade square,<sup>17</sup> and (according to some) a stade in height,<sup>18</sup> must almost of necessity have a representative among the existing remains. This, indeed, is admitted on all hands; and the controversy is thereby narrowed to the question, which of two great ruins—the only two entitled by their size and situation to attention—has the better right to be regarded as the great and celebrated sanctuary of the ancient Babylon.

That the mound of Babil is the *ziggurat* or tower of a Babylonian temple scarcely admits of a doubt. Its square shape, its solid construction, its isolated grandeur, its careful emplacement with the sides facing the cardinal points,<sup>19</sup> and its close resemblance to other known Babylonian temple-towers, sufficiently mark it for a building of this character, or at any rate raise a presumption which it would require very strong reasons indeed to overcome. Its size moreover corresponds well with the accounts which have come down to us of the dimensions of the Belus temple,<sup>20</sup> and its name and proximity to the other main ruins show that it belonged certainly to the ancient capital. Against its claim to be regarded as the remains of the temple of Belus two objections only can be argued:—these are the absence of any appearance of stages, or even of a pyramidal shape, from the present ruin, and its position on the same side of

<sup>17</sup> Herod. i. 181; Strab. xvi. 1, § 5.

<sup>18</sup> Strab. l. s. c. Diod. Sic. ii. 9, § 4. Ὑψηλὸν καὶ ὑπερβαλόν.

<sup>19</sup> It is more usual in Babylonia for the angles of a temple-tower to face the

cardinal points. But for the astronomical purposes which the towers subserved (Diod. Sic. l. s. c.) it was indifferent which arrangement was adopted.

<sup>20</sup> See above, p. 515.

the Euphrates with the palace. Herodotus expressly declares that the temple of Belus and the royal palace were upon opposite sides of the river,<sup>21</sup> and states, moreover, that the temple was built in stages, which rose one above the other to the number of eight.<sup>22</sup> Now these two circumstances, which do not belong at present to the Babil mound, attach to a ruin distant from it about eleven or twelve miles—a ruin which is certainly one of the most remarkable in the whole country, and which, if Babylon had really been of the size asserted by Herodotus, might possibly have been included within the walls. The Birs-i-Nimrud had certainly seven, probably eight stages, and it is the only ruin on the present western bank of the Euphrates which is at once sufficiently grand to answer to the descriptions of the Belus temple, and sufficiently near to the other ruins to make its original inclusion within the walls not absolutely impossible. Hence, ever since the attention of scholars was first directed to the subject of Babylonian topography, opinion has been divided on the question before us, and there have not been wanting persons to maintain that the Birs-i-Nimrud is the true temple of Belus,<sup>1</sup> if not also the actual tower of Babel,<sup>2</sup> whose erection led to the confusion of tongues and general dispersion of the sons of Adam.

With this latter identification we are not in the present place concerned. With respect to the view that the Birs is the sanctuary of Belus, it may be observed in the first place, that the size of the building is very much smaller than that ascribed to the Belus temple;<sup>3</sup>—secondly, that it was dedicated to

<sup>21</sup> Herod. i. 180, 181.

<sup>22</sup> Ibid.

<sup>1</sup> This opinion was first put forward by Mr. Rich. See his *First Memoir on Babylon*, pp. 51–56; *Second Memoir*, pp. 30–34. His views were opposed by Major Rennell in an article published in the *Archæologia*, London, 1816. They were reasserted and warmly defended by Sir R. Ker Porter in 1822 (*Travels*, vol. ii. pp. 316–327). Heeren adopted them in 1824, in the fourth edition of his *Reflections (Asiatic Nations*, vol. ii. pp. 172–175); and about 1826 Niebuhr

spoke favourably of them in his lectures (*Vorträge*, vol. i. p. 30). Recently they have been maintained and copiously illustrated by M. Oppert (*Expédition scientifique*, tom. i. pp. 200–216).

<sup>2</sup> So Ker Porter, vol. ii. p. 317; Heeren, *As. Nat.* vol. ii. p. 174; Oppert, in Dr. Smith's *Biblical Dictionary*, vol. iii. p. 1554.

<sup>3</sup> Rich, measuring the present ruins, supposed that the dimensions of the Birs would correspond sufficiently with those of the Belus temple (*First Memoir*, p. 49); but Sir H. Rawlinson found, on tun-

Nebo, who cannot be identified with Bel;<sup>4</sup> and thirdly, that it is not really any part of the remains of the ancient capital, but belongs to an entirely distinct town. The cylinders found in the ruin by Sir Henry Rawlinson declare the building to have been "the wonder of Borsippa;"<sup>5</sup> and Borsippa, according to all the ancient authorities, was a town by itself—an entirely distinct place from Babylon.<sup>6</sup> To include Borsippa within the outer wall of Babylon,<sup>7</sup> is to run counter to all the authorities on the subject, the inscriptions, the native writer, Berosus,<sup>8</sup> and the classical geographers generally. Nor is the position thus assigned to the Belus temple in harmony with the statement of Herodotus, which alone causes explorers to seek for the temple on the west side of the river. For, though the expression which this writer uses<sup>9</sup> does not necessarily mean that the temple was in the exact centre of one of the two divisions of the town, it certainly implies that it lay *towards the middle* of one division—well within it—and not upon its outskirts. It is indeed inconceivable that the main sanctuary of the place, where the kings constantly offered their worship, should have been nine or ten miles from the palace! The distance between the Amran mound and Babil, which is about two miles, is quite as great as probability will allow us to believe existed between the old residence of the kings and the sacred shrine to which they were in the constant habit of resorting.

Still there remain as objections to the identification of the

neiling into the mound, that the original base of the Birs tower was a square of only 272 feet. The Belus temple was a square of 606 feet.

<sup>4</sup> To meet this argument, M. Oppert has invented the term Bel-Nebo, for which there is absolutely no foundation.

<sup>5</sup> See the author's *Herodotus*, vol. ii. p. 512, 2nd ed.

<sup>6</sup> See Berosus, Fr. 14; Strab. xvi. 1, 7; Arrian, Fr. 20; Justin, xii. 13; Steph. Byz. ad voc. &c.

<sup>7</sup> As M. Oppert does. See the plan, p. 512.

<sup>8</sup> M. Oppert endeavours to reconcile his view with that of the later geographers by saying that though Borsippa

was originally within Babylon, *i.e.* within the outer wall, it afterwards, when the outer wall was destroyed by Darius Hystaspis, came to be outside the town and a distinct place. But it is at the time of Cyrus's siege, when all the defences were in the most perfect condition, that Berosus makes Cyrus "march away" from Babylon to the siege of Borsippa.

<sup>9</sup> Ἐν δὲ φάρσει ἑκατέρῃ τῆς πόλεως ἑτερείχιστο ἐν μέσῳ (Herod. i. 181). Compare the expression of Arrian (*Exp. Alex.* vii. 17):—Ὁ γὰρ τοῦ Βαβυλωνίου ἐν μέσῳ τῇ πόλει ἦν τῶν Βαβυλωνίων.

great temple with the Babil mound the two arguments already noticed. The Babil mound has no appearance of stages such as the Birs presents, nor has it even a pyramidal shape. It is a huge platform with a nearly level top, and sinks, rather than rises, in the centre. What has become, it is asked, of the seven upper stages of the great Belus tower, if this ruin represents it? Whither have they vanished? How is it that in crumbling down they have not left something like a heap towards the middle? To this it may be replied, that the destruction of the Belus tower has not been the mere work of the elements—it was violently broken down either by Xerxes, or by some later king,<sup>10</sup> who may have completely removed all the upper stages. Again, it has served as a quarry to the hunters after bricks for more than twenty centuries;<sup>11</sup> so that it is only surprising that it still retains so much of its original shape. Further, when Alexander entered Babylon more than 2000 years ago, 10,000 men were employed for several weeks in clearing away the rubbish and laying bare the foundations of the building.<sup>12</sup> It is quite possible that a conical mass of crumbled brick may have been removed from the top of the mound at this time.

The difficulty remains that the Babil mound is on the same side of the Euphrates with the ruins of the Great Palace, whereas Herodotus makes the two buildings balance each other, one on the right and the other on the left bank of the stream. Now here it is in the first place to be observed that Herodotus is the only writer who does this. No other ancient author tells us anything of the relative situation of the two buildings. We have thus nothing to explain but the bald statement of a single writer—a writer no doubt of great authority, but still one not wholly infallible. We might say, then, that Herodotus probably made a mistake—that his memory failed him in this instance, or that he mistook his

<sup>10</sup> Arrian says by Xerxes (τοῦτον τὸν ναὶν ἑτέρας κατέκαψεν, l. s. c.). So Strabo (xvi. 1, § 5). But Herodotus seems to have found the building intact; and his visit must have fallen in the reign of Artaxerxes. Xerxes plundered the temple (Herod. l. 183), and may there-

fore in after times have been thought to have destroyed it, though the destruction was by a later king.

<sup>11</sup> Rich, *First Memoir*, p. 31; Layard, *Nineveh and Babylon*, p. 506; Loftus, *Chaldaea and Susiana*, p. 18.

<sup>12</sup> Strab. l. s. c. Compare Arrian, l. s. c.

notes on the subject.<sup>13</sup> Or we may explain his error by supposing that he confounded a canal from the Euphrates, which seems to have anciently passed between the Babil mound and the Kasr<sup>14</sup> (called *Shebil* by Nebuchadnezzar) with the main stream. Or, finally, we may conceive that at the time of his visit the old palace lay in ruins, and that the palace of Neriglissar on the west bank of the stream was that of which he spoke. It is at any rate remarkable, considering how his authority is quoted as fixing the site of the Belus tower to the west bank, that, in the only place where he gives us any intimation of the side of the river on which he would have placed the tower, it is the east and not the west bank to which his words point. He makes those who saw the treachery of Zopyrus at the Belian and Kissian gates, which must have been to the east of the city,<sup>15</sup> at once take refuge in the famous sanctuary,<sup>16</sup> which he implies was in the vicinity.

On the whole, therefore, it seems best to regard the Babil mound as the *ziggurat* of the great temple of Bel (called by some "the tomb of Belus")<sup>17</sup> which the Persians destroyed and which Alexander intended to restore. With regard to the "hanging gardens," as they were an erection of less than half the size of the tower,<sup>18</sup> it is not so necessary to suppose that distinct traces must remain of them. Their *débris* may be confused with those of the Kasr mound, on which one writer places them.<sup>1</sup> Or they may have stood between the Kasr and

<sup>13</sup> Herodotus did not always take notes. He appeals sometimes to his recollection of the numbers mentioned to him by his informants. (See ii. 125.)

<sup>14</sup> See the plan, p. 539.

<sup>15</sup> Town-gates are named in the East from the places to which they lead. (Rich, *First Memoir*, p. 53.) The Kissian gates led to Susiana, which was towards the east. The Belian probably led to Niffer, the "city of Belus." (See above, vol. i. p. 118.) Niffer lies south-east of Babylon.

<sup>16</sup> Herod. iii. 158.

<sup>17</sup> As by Strabo (l. s. c.). When M. Oppert identifies the Babil mound with this tomb, he is really admitting that it

was the Belus temple-tower. For there is not the shadow of a doubt that the "tomb of Belus" and the "temple of Belus" are one and the same building. (Compare Strab. xvi. 1, § 5, with Arrian, vii. 17, and both with Herod. i. 183, *ad fin.*)

<sup>18</sup> The hanging gardens were a square of 400 (Greek) feet each way; the Belus tower was a square of 600 feet. The area of the one was 160,000 square feet; that of the other 360,000, or considerably more than double.

<sup>1</sup> Q. Curt. *Hist. Alex.* v. 1:—"Super arce vulgatum Græcorum fabulis miraculum pensiles horti sunt." The *arx* of Curtius is the palace.



Amran ruins, where are now some mounds of no great height. Or, possibly, their true site is in the modern *El Homeira*, the remarkable red mound which lies east of the Kasr at the distance of about 800 yards, and attains an elevation of sixty-five feet. Though this building is not situated upon the banks of the Euphrates, where Strabo and Diodorus place the gardens,<sup>2</sup> it abuts upon a long low valley into which the Euphrates water seems formerly to have been introduced, and which may therefore have been given the name of the river. This identification is, however, it must be allowed, very doubtful.

The two lines of mounds which enclose the long low valley above mentioned are probably the remains of an embankment which here confined the waters of a great reservoir. Nebuchadnezzar relates that he constructed a large reservoir, which he calls the *Yapur-Shapu*, in Babylon,<sup>3</sup> and led water into it by means of an "eastern canal" — the *Shebil*. The *Shebil* canal, it is probable, left the Euphrates at some point between Babil and the Kasr, and ran across with a course nearly from west to east to the top of the *Yapur-Shapu*. This reservoir seems to have been a long and somewhat narrow parallelogram, running nearly from north to south, which shut in the great palace on the east and protected it like a huge moat. Most likely it communicated with the Euphrates towards the south by a second canal, the exact line of which cannot be determined. Thus the palatial residence of the Babylonian kings looked in both directions upon broad sheets of water, an agreeable prospect in so hot a climate; while, at the same time, by the assignment of a double channel to the Euphrates, its floods were the more readily controlled, and the city was preserved from those terrible inundations, which in modern times have often threatened the existence of Baghdad.<sup>4</sup>

The other lines of mound upon the east side of the river may either be Parthian works,<sup>5</sup> or (possibly) they may be the remains of some of those lofty walls<sup>6</sup> whereby, according to

<sup>2</sup> Strab. xvi. 1, § 5; Diod. Sic. ii. 10, § 1.

<sup>3</sup> See the translation of the Standard Inscription of Nebuchadnezzar, which is given in the Appendix, Note A.

<sup>4</sup> See Loftus, *Chaldaea and Susiana*, p. 7.

<sup>5</sup> This is the opinion of Sir H. Rawlinson.

<sup>6</sup> So M. Oppert (*Expédition scientifique*, tom. i. p. 195).



Diodorus, the greater palace was surrounded and defended.<sup>7</sup> The fragments of them which remain are so placed that if the lines were produced they would include all the principal ruins on the left bank except the Babil tower. They may therefore be the old defences of the Eastern palace; though, if so, it is strange that they run in lines which are neither straight nor parallel to those of the buildings enclosed by them. The irregularity of these ramparts is certainly a very strong argument in favour of their having been the work of a people considerably more barbarous and ignorant than the Babylonians.

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<sup>7</sup> Diod. Sic. ii. 8, §§ 5 and 6.

## CHAPTER V.

## ARTS AND SCIENCES.

Τοῦτό γε διαβεβαιώσαι' ἂν τις προσηκόντως, ὅτι Χαλδαῖοι μεγίστην ἔξιν ἐν ἀστρολογίᾳ πάντων ἀνθρώπων ἔχουσι, καὶ διότι πλείστην ἐπιμέλειαν ἐποιήσαντο ταύτης τῆς θεωρίας. — DIOD. SIC. II. 31.

THAT the Babylonians were among the most ingenious of all the nations of antiquity, and had made considerable progress in the arts and sciences before their conquest by the Persians, is generally admitted. The classical writers commonly parallel them with the Egyptians;<sup>1</sup> and though, from their habit of confusing Babylon with Assyria, it is not always quite certain that the inhabitants of the more southern country—the real Babylonians—are meant, still there is sufficient reason to believe that, in the estimation of the Greeks and Romans, the people of the lower Euphrates were regarded as at least equally advanced in civilisation with those of the Nile valley and the Delta. The branches of knowledge wherein by general consent the Babylonians principally excelled were architecture and astronomy. Of their architectural works two at least were reckoned among the “Seven Wonders,”<sup>2</sup> while others, not elevated to this exalted rank, were yet considered to be among the most curious and admirable of Oriental constructions.<sup>3</sup> In astronomical science they were thought to have far excelled all other nations,<sup>4</sup> and the first Greeks who made much progress in the subject confessed themselves the humble disciples of Babylonian teachers.<sup>5</sup>

<sup>1</sup> Herod. i. 98; II. 109; Diod. Sic. II. 29, § 2; &c.

<sup>2</sup> The “walls” and the “hanging gardens.” (Strab. xvi. 1, § 5.) Compare Q. Curt. *Hist. Alex. Magn.* v. 1, § 32; Hygin. *Fab.* § 223; Cassiodor. *Variar.* VII. 15.

<sup>3</sup> Q. Curtius says of the bridge over the Euphrates, “Hic quoque inter mirabilia Orientis opera numeratus est.” (*Hist. Alex. Magn.* v. 1, § 29.)

<sup>4</sup> Diod. Sic. II. 31. See the heading to this chapter.

<sup>5</sup> Hipparchus, who, according to De-

In the account, which it is proposed to give, in this place, of Babylonian art and science, so far as they are respectively known to us, the priority will be assigned to art, which is an earlier product of the human mind than science; and among the arts the first place will be given to architecture, as at once the most fundamental of all the fine arts, and the one in which the Babylonians attained their greatest excellence. It is as builders that the primitive Chaldæan people, the progenitors of the Babylonians, first appear before us in history;<sup>6</sup> and it was on his buildings that the great king of the later Empire, Nebuchadnezzar, specially prided himself.<sup>7</sup> When Herodotus visited Babylon, he was struck chiefly by its extraordinary edifices;<sup>8</sup> and it is the account which the Greek writers gave of these erections that has, more than anything else, procured for the Babylonians the fame that they possess and the position that they hold among the six or seven leading nations of the old world.

The architecture of the Babylonians seems to have culminated in the Temple. While their palaces, their bridges, their walls, even their private houses were remarkable, their grandest works, their most elaborate efforts, were dedicated to the honour and service, not of man, but of God. The Temple takes in Babylonia the same sort of rank which it has in Egypt and in Greece. It is not, as in Assyria,<sup>9</sup> a mere adjunct of the palace. It stands by itself, in proud independence, as the great building of a city, or a part of a city:<sup>10</sup> it is, if not absolutely larger, at any rate loftier and more conspicuous than any other

lambre (*Histoire d'Astronomie ancienne*, tom. i. p. 184), "laid the foundation of astronomy among the Greeks," spoke of the Babylonians as astronomical observers from a fabulously remote antiquity. (Proclus, in *Tim.* p. 31, C.) Aristotle admitted that the Greeks were greatly indebted for astronomical facts to the Babylonians and Egyptians. (*De Cælo*, li. 12, § 3.) Ptolemy made large use of the Babylonian observations of eclipses. Sir Cornewall Lewis allows that "the Greeks were in the habit of attributing the invention and original cultivation of astronomy either to the

Babylonians or to the Egyptians, and represented the earliest scientific Greek astronomers as having derived their knowledge from Babylonian or from Egyptian priests." (*Astronomy of the Ancients*, p. 256.) He considers, indeed, that in thus yielding the credit of discovery to others, they departed from the truth; but he does not give any sufficient reasons for this curious belief.

<sup>6</sup> Gen. xi. 2-5.

<sup>7</sup> Dan. iv. 30.

<sup>8</sup> Herod. i. 93, 178-183.

<sup>9</sup> See above, p. 92.

<sup>10</sup> Herod. i. 181.

edifice: it often boasts a magnificent adornment: the value of the offerings which are deposited in it is enormous: in every respect it rivals the palace, while in some it has a decided pre-eminence. It draws all eyes by its superior height and sometimes by its costly ornamentation; it inspires awe by the religious associations which belong to it; finally, it is a stronghold as well as a place of worship, and may furnish a refuge to thousands in time of danger.<sup>11</sup>

A Babylonian temple seems to have stood commonly within a walled enclosure. In the case of the great temple of Belus at Babylon, the enclosure is said to have been a square of two stades each way,<sup>12</sup> or, in other words, to have contained an area of thirty acres. The temple itself ordinarily consisted of two parts. Its most essential feature was a *ziggurat*, or tower, which was either square, or at any rate rectangular, and built in stages, the smallest number of such stages being two, and the largest known number seven.<sup>13</sup> At the summit of the tower was probably in every case a shrine, or chapel, of greater or less size, containing altars and images. The ascent to this was on the outside of the towers, which were entirely solid; and it generally wound round the different faces of the towers, ascending them either by means of steps or by an inclined plane. Special care was taken with regard to the emplacement of the tower, either its sides or its angles being made exactly to confront the cardinal points. It is said that the temple-towers were used not merely for religious purposes but also as observatories,<sup>14</sup> a use with a view to which this arrangement of their position would have been serviceable.

Besides the shrine at the summit of the temple-tower or *ziggurat*, there was commonly at the base of the tower, or at any rate somewhere within the enclosure, a second shrine or chapel, in which the ordinary worshipper, who wished to spare himself the long ascent, made his offerings. Here again the

<sup>11</sup> Herod. iii. 156.

<sup>12</sup> Ibid. i. 181. Δύο σταδίων πλάτος, ὅν τετραγώνον.

<sup>13</sup> When Herodotus speaks of there being eight stages to the tower of the

temple of Belus at Babylon, he probably counts the shrine at the top as a stage. Note his words: ἐν δὲ τῷ τελευταίῳ πύργῳ νηὶς ἔπλετο μέγας (l. s. c.).

<sup>14</sup> Diod. Sic. ii. 9, § 4.

ornamentation was most costly, lavish use being made of the precious metals for images and other furniture.<sup>15</sup> Altars of different sizes were placed in the open air in the vicinity of this lower shrine, on which were sacrificed different classes of victims, gold being used occasionally as the material of the altar.<sup>1</sup>

The general appearance of a Babylonian temple, or at any rate of its chief feature, the tower or *ziggurat*, will be best gathered from a more particular description of a single building of the kind; and the building which it will be most convenient to take for that purpose is that remarkable edifice which strikes moderns with more admiration than any other now existing in the country,<sup>2</sup> and which has also been more completely and more carefully examined than any other Babylonian ruin<sup>3</sup>—the Birs-i-Nimrud, or ancient temple of Nebo at Borsippa. The plan of this tower has been almost completely made out from data still existing on the spot; and a restoration of the original building may be given with a near approach to certainty.

Upon a platform of crude brick,<sup>4</sup> raised a few feet above the level of the alluvial plain, was built the first or basement stage of the great edifice, an exact square, 272 feet each way, and probably twenty-six feet in perpendicular height.<sup>5</sup> On this was erected a second stage of exactly the same height, but a square of only 230 feet; which however was not placed exactly in the middle of the first, but further from its north-eastern than its south-western edge, twelve feet only from the one and

<sup>15</sup> Herod. i. 183.

<sup>1</sup> Ibid.

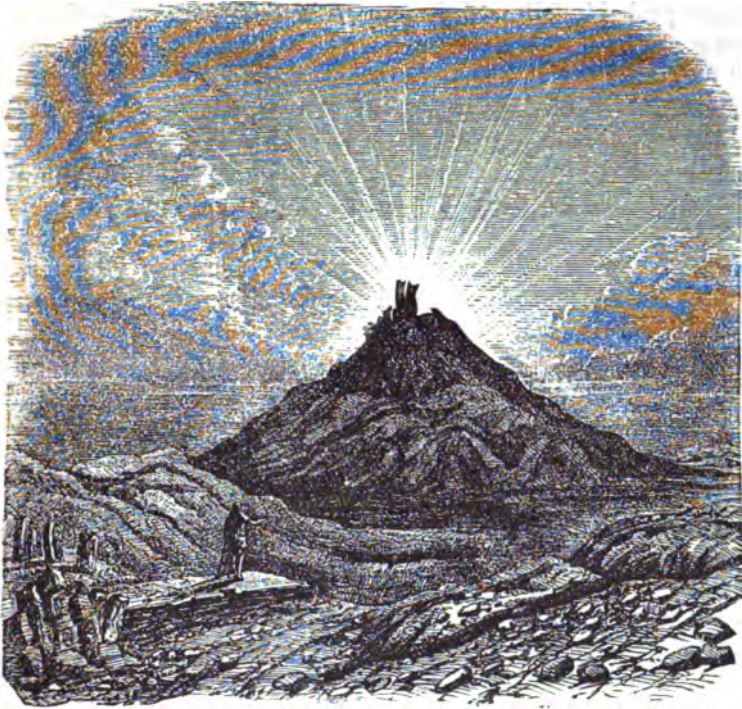
<sup>2</sup> See Rich, *First Memoir*, pp. 34–37; *Second Memoir*, pp. 30–32; Ker Porter, vol. ii. pp. 306–316; Layard, *Nineveh and Babylon*, p. 495; Loftus, *Chaldæa and Susiana*, p. 27; Oppert, *Expédition scientifique*, tom. i. p. 200.

<sup>3</sup> See the *Journal of the Asiatic Society*, vol. xviii. art. i., where a full account is given by Sir H. Rawlinson of the labours by which he discovered the true plan of the building. M. Oppert's speculations in his *Expédition scientifique* (tom. i. pp. 200–209), which rest upon no original researches, and contradict all the dimensions which Sir H. Rawlinson obtained by laborious tun-

neling and careful measurement, are no doubt ingenious; but they can scarcely be regarded as having any scientific value.

<sup>4</sup> M. Oppert believes this "platform" to have been part of a lower stage which would have been found by removing the soil at its base. This is perhaps possible, but at present there is no proof of it.

<sup>5</sup> Sir H. Rawlinson excavated only to the depth of 17 feet. The assignment of 26 feet to this stage rests upon the ascertained fact that both the second and the third stage were exactly of this height. (*Journal of the Asiatic Society*, vol. xviii. p. 19.)



Birs-i-Nimrud, near Babylon.

thirty feet from the other. The third stage, which was imposed in the same way upon the second, was also twenty-six feet high, and was a square of 188 feet. Thus far the plan had been uniform and without any variety; but at this point an alteration took place. The height of the fourth stage, instead of being twenty-six, was only fifteen feet.<sup>6</sup> In other respects however the old numbers were maintained; the fourth stage was diminished equally with the others, and was consequently a square of 146 feet. It was emplaced upon the stage below it exactly as the former stages had been. The remaining

<sup>6</sup> It will be found hereafter that this fourth stage was that of the Sun, and that it was probably covered with thin plates of gold. This would give a reason for the diminution of height at the point, since thereby would be effected a saving of more than two-fifths of this gold.



stages probably followed the same rule of diminution<sup>7</sup>—the fifth being a square of 104, the sixth one of 62, and the seventh one of 20 feet. Each of these stages had a height of fifteen feet. Upon the seventh or final stage was erected the shrine or tabernacle, which was probably also fifteen feet high, and about the same length and breadth. Thus the entire height of the building, allowing three feet for the crude-brick platform, was 156 feet.<sup>8</sup>

The ornamentation of the edifice was chiefly by means of colour. The seven stages represented the Seven Spheres, in which moved (according to ancient Chaldæan astronomy) the seven planets. To each planet fancy, partly grounding itself upon fact, had from of old assigned a peculiar tint or hue. The Sun was golden, the Moon silver; the distant Saturn, almost beyond the region of light, was black; Jupiter was orange;<sup>9</sup> the fiery Mars was red; Venus was a pale Naples yellow; Mercury a deep blue. The seven stages of the tower, like the seven walls of Ecbatana,<sup>10</sup> gave a visible embodiment to these fancies. The basement stage, assigned to Saturn, was blackened by means of a coating of bitumen spread over the face of the masonry;<sup>11</sup> the second stage, assigned to Jupiter, obtained the appropriate orange colour by means of a facing of burnt bricks of that hue;<sup>12</sup> the third stage, that of Mars, was made blood-red by the use of half-burnt bricks formed of a bright red clay;<sup>13</sup> the fourth stage, assigned to the Sun, appears to have been actually covered with thin plates of gold;<sup>14</sup>

<sup>7</sup> The upper portion of the Birs is in too ruined a condition to allow of the verification of these estimates. They follow as deductions from the ascertained dimensions of the lower stages, and especially from the proved fact, that the alteration in the height of the fourth stage was not accompanied by any change in the rate of diminution of the square.

<sup>8</sup> Capt. Jones's measurement with the theodolite makes the present height of the building above the alluvial plain 153½ feet. If then the plan of the temple assumed in the text be correct, it has lost less than three feet of its original height.

<sup>9</sup> Or "sandal-wood colour" (*sandali*, Pers.; *σαρδαπικίον*, Greek). The foun-

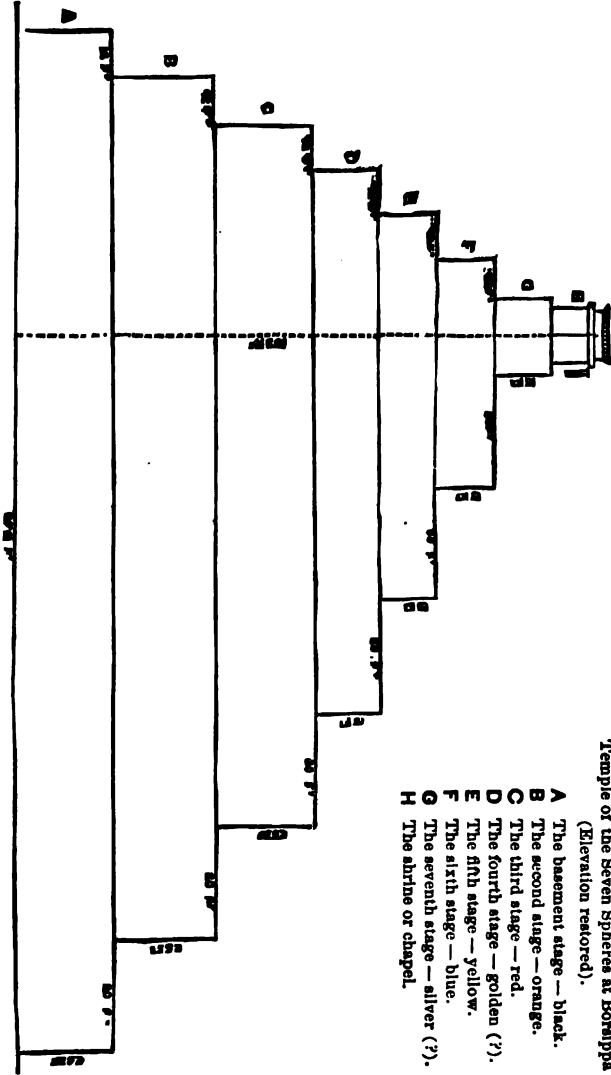
dition for this colour, as for that of Mars and Venus, was probably the actual hue of the planet.

<sup>10</sup> Herod. i. 98. See above, p. 269.

<sup>11</sup> *Journal of the Asiatic Society*, vol. xviii. p. 12.

<sup>12</sup> *Ibid.* p. 19. <sup>13</sup> *Ibid.* pp. 9 and 20.

<sup>14</sup> These plates of course do not remain *in situ*. The evidence of their original employment is to be found, 1. in the mutilated appearance of the present face of this stage, which is "broken as if with blows of the pick-axe" (*As. Soc. Journ.* p. 20); 2. in statements made by Nebuchadnezzar that the walls of his temples were often "clothed with gold;" 3. in the parallel ornamentation of Ecbatana (Herod. i. 98).



the fifth, the stage of Venus, received a pale yellow tint from the employment of bricks of that hue;<sup>15</sup> the sixth, the sphere of Mercury, was given an azure tint by vitrification, the whole stage having been subjected to an intense heat after it was erected, whereby the bricks composing it were converted into a mass of blue slag;<sup>16</sup> the seventh stage, that of the Moon, was probably, like the fourth, coated with actual plates of metal.<sup>17</sup> Thus the building rose up in stripes of varied colour, arranged almost as nature's cunning arranges hues in the rainbow, tones of red coming first, succeeded by a broad stripe of yellow, the yellow being followed by blue. Above this the glowing silvery summit melted into the bright sheen of the sky.

The faces of the various stages were, as a general rule, flat and unbroken, unless it were by a stair or ascent,<sup>18</sup> of which however there has been found no trace. But there were two exceptions to this general plainness. The basement stage was indented with a number of shallow squared recesses, which seem to have been intended for a decoration.<sup>19</sup> The face of the third stage was weak on account of its material, which was brick but half-burnt. Here then the builders, not for ornament's sake, but to strengthen their work, gave to the wall the support of a number of shallow buttresses. They also departed from their usual practice, by substituting for the rigid perpendicular of the other faces a slight slope outwards for some distance from the base.<sup>20</sup> These arrangements, which are apparently part of the original work, and not remedies applied subsequently, imply considerable knowledge of architectural

<sup>15</sup> *As. Soc. Journ.* pp. 21, 22.

<sup>16</sup> *Ibid.* pp. 6, 7. This vitrification of the upper portions of the tower has given rise to the belief—as old as Benjamin of Tudela—that it had been struck by lightning, and so destroyed, whence he and others argued that it was the true tower of Babel. But the vitrification seems really to have been the work of man, and its object was to produce a blue colour.

<sup>17</sup> This is a conjecture, grounded upon the parallel case of Ecbatana (Herod.

*l. s. c.*) and the analogy of the fourth stage. See note <sup>14</sup>.

<sup>18</sup> Sir H. Rawlinson believes that staircases occupied most of the north-eastern face or true front of the building. (*As. Soc. Journal*, vol. xviii. p. 19.)

<sup>19</sup> *Ibid.* p. 13. Similar recesses adorn the great Temple-tower at Nimrud (see vol. i. p. 316), and many buildings of Nebuchadnezzar (Loftus, *Chaldæa and Susiana*, p. 246, &c.).

<sup>20</sup> *Journal of the Asiatic Society*, vol. xviii. p. 10.

principles on the part of the builders, and no little ingenuity in turning architectural resources to account.

With respect to the shrine which was emplaced upon the topmost, or silver stage, little is definitely known. It appears to have been of brick;<sup>21</sup> and we may perhaps conclude from the analogy of the old Chaldæan shrines at the summits of towers,<sup>22</sup> as well as from that of the Belus shrine at Babylon,<sup>23</sup> that it was richly ornamented both within and without; but it is impossible to state anything as to the exact character of the ornamentation.

The tower is to be regarded as fronting to the north-east, the coolest side and that least exposed to the sun's rays from the time that they become oppressive in Babylonia. On this side was the ascent, which consisted probably of a broad staircase extending along the whole front of the building. The side platforms (those towards the south-east and north-west) — at any rate of the first and second stages, probably of all — were occupied by a series of chambers abutting upon the perpendicular wall,<sup>1</sup> as the priests' chambers of Solomon's temple abutted upon the side walls of that building.<sup>2</sup> In these were doubtless lodged the priests and other attendants upon the temple service. The side chambers seem sometimes to have communicated with vaulted apartments within the solid mass of the structure,<sup>3</sup> like those of which we hear in the structure supporting the "hanging gardens."<sup>4</sup> It is possible that there may have been internal staircases, connecting the vaulted apartments of one stage with those of another; but the ruin has not yet been sufficiently explored for us to determine whether or not there was such communication.

The great Tower is thought to have been approached through a vestibule of considerable size.<sup>5</sup> Towards the north-east the

<sup>21</sup> Sir H. Rawlinson thinks that the upper part of the existing ruin belongs to this shrine.

<sup>22</sup> *Supra*, vol. i. pp. 79, 81, 82, &c.

<sup>23</sup> Herod. i. 181.

<sup>1</sup> *Journal of the Asiatic Society*, vol. xviii. p. 19.

<sup>2</sup> 1 Kings vi. 5.

<sup>3</sup> *As. Soc. Journal*, p. 11. Compare p. 19.

<sup>4</sup> Diod. Sic. ii. 10, § 6.

<sup>5</sup> Sir H. Rawlinson, in the *Journal of the As. Society*, vol. xviii. p. 16. M. Oppert thinks differently (*Expédition scientifique*, tom. i. p. 206).

existing ruin is prolonged in an irregular manner and it is imagined that this prolongation marks the site of a vestibule or propylæum, originally distinct from the tower, but now, through the crumbling down of both buildings, confused with its ruins. As no scientific examination has been made of this part of the mound, the above supposition can only be regarded as a conjecture. Possibly the excrescence does not so much mark a vestibule as a second shrine, like that which is said to have existed at the foot of the Belus Tower at Babylon.<sup>6</sup> Till, however, additional researches have been made, it is in vain to think of restoring the plan or elevation of this part of the temple.<sup>7</sup>

From the temples of the Babylonians we may now pass to their palaces — constructions inferior in height and grandeur, but covering a greater space, involving a larger amount of labour, and admitting of more architectural variety. Unfortunately the palaces have suffered from the ravages of time even more than the temples, and in considering their plan and character we obtain little help from the existing remains. Still, something may be learnt of them from this source, and where it fails we may perhaps be allowed to eke out the scantiness of our materials by drawing from the elaborate descriptions of Diodorus such points as have probability in their favour.

The Babylonian palace, like the Assyrian<sup>8</sup> and the Susianian,<sup>9</sup> stood upon a lofty mound or platform. This arrangement provided at once for safety, for enjoyment, and for health. It secured a pure air, freedom from the molestation of insects, and a position only assailable at a few points.<sup>10</sup> The ordinary shape of the palace mound appears to have been square;<sup>11</sup> its elevation was probably not less than fifty or 60 feet.<sup>12</sup> It was com-

<sup>6</sup> Herod. i. 183.

<sup>7</sup> M. Oppert attempts this restoration (see his *Plates, Essai de Restauration de la tour des sept Planètes*), but accomplishes it in a manner which is very unsatisfactory.

<sup>8</sup> *Supra*, vol. i. pp. 278–280.

<sup>9</sup> See the author's *Herodotus*, vol. iii. pp. 207, 208, 2nd edition. Compare Loftus, *Chaldæa and Susiana*, pp. 343–345.

<sup>10</sup> As the sides of the platform were perpendicular, the only places at which it could be attacked were its staircases.

<sup>11</sup> The square shape of the Kasr mound is very decided. See the plan, *supra*, p. 524. Assyrian platforms were in general rectangular (*supra*, vol. i. p. 280).

<sup>12</sup> It is difficult to reconcile the statements of different writers as to the

posed mainly of sun-dried bricks, which however were almost certainly enclosed externally by a facing of burnt brick, and may have been further strengthened within by walls of the same material, which perhaps traversed the whole mound.<sup>13</sup> The entire mass seems to have been carefully drained, and the collected waters were conveyed through subterranean channels to the level of the plain at the mound's base.<sup>14</sup> The summit of the platform was no doubt paved, either with stone or burnt brick — mainly, it is probable, with the latter; since the former material was scarce, and though a certain number of stone pavement slabs have been found,<sup>15</sup> they are too rare and scattered to imply anything like the general use of stone paving. Upon the platform, most likely towards its centre,<sup>16</sup> rose the actual palace, not built (like the Assyrian palaces) of crude brick faced with a better material, but constructed wholly of the finest and hardest burnt brick laid in a mortar of extreme tenacity,<sup>17</sup> with walls of enormous thickness,<sup>18</sup> parallel to the sides of the mound, and meeting each other at right angles. Neither the ground-plan nor the elevation of a Babylonian palace can be given; nor can even a conjectural restoration of such a building be made, since the small fragment of Nebuchadnezzar's palace which remains has defied all attempts to reduce it to system.<sup>19</sup> We can only say that the lines of the

height of the Babylonian mounds, which have seldom been ascertained scientifically. Rich estimates the Amran mound at 50 or 60 feet (*First Memoir*, p. 21); M. Oppert at 30 mètres (*Expédition*, tom. i. p. 158), or nearly 100 feet. The exact height of the Kasr mound I do not find estimated; but Rich says that one of its ravines is "40 or 50 feet deep" (*First Memoir*, p. 23). I assume it therefore to be higher than the Amran mound; and I imagine that both attain, in places, an elevation of 80 or 90 feet. Of this height I conceive that at any rate not more than 30 feet can be assigned to the *debris* of the actual palace, and that the remainder must be the height of the mound or platform on which it stood.

<sup>13</sup> Such walls seem to occur wherever the internal structure of the Kasr mound

is laid bare. (Rich, *First Memoir*, p. 24; Ker Porter, *Travels*, vol. ii. p. 359, 360; Layard, *Nineveh and Babylon*, p. 506.)

<sup>14</sup> See above, p. 524.

<sup>15</sup> Oppert, *Expédition scientifique*, tom. i. p. 149. These pavement slabs were square, about 20 inches each way.

<sup>16</sup> The existing remains of building are situated towards the centre of the Kasr mound. (See the plan, p. 524.)

<sup>17</sup> Rich, p. 25; Ker Porter, vol. ii. p. 360; Layard, *Nineveh and Babylon*, p. 506.

<sup>18</sup> The existing walls of the Kasr are eight feet thick. (Rich, l. s. c.)

<sup>19</sup> Layard, *Nin. and Bab.* l. s. c. "I sought in vain for some clue to the general plan of the edifice." Even M. Oppert, who is seldom stopped by a difficulty, can only venture to represent the building as a huge square covering not quite one-fourth of the mound.

building were straight; that the walls rose, at any rate to a considerable height, without windows; and that the flatness of the straight line was broken by numerous buttresses and pilasters.<sup>20</sup> We have also evidence that occasionally there was an ornamentation of the building, either within or without, by means of sculptured stone slabs,<sup>21</sup> on which were represented figures of a small size, carefully wrought. The general orna-



Part of a Stone Frieze, from the Kasr Mound,  
Babylon.

mentation, however, external as well as internal, we may well believe to have been such as Diodorus states<sup>22</sup> — coloured representations on brick of war-scenes and hunting-scenes, the counterparts in a certain sense of those magnificent bas-reliefs which everywhere clothed the walls of palaces in Assyria. It has been already noticed that abundant remains of such representations have been found upon the Kasr mound.<sup>23</sup> They seem to have alternated with cuneiform inscriptions, in white on a

blue ground, or else with a patterning of rosettes in the same colours.<sup>24</sup>

Of the general arrangement of the royal palaces, of their height, their number of stories, their roofing, and their lighting, we know absolutely nothing. The statement made by Herodotus, that many of the private houses in the town had three or four stories,<sup>25</sup> would naturally lead us to suppose that the palaces

<sup>20</sup> Rich, p. 25; Layard, p. 506.

<sup>21</sup> Layard, p. 508.

<sup>22</sup> Diod. Sic. ii. 8, § 6.

<sup>23</sup> See above, p. 525.

<sup>24</sup> Oppert, *Expédition scientifique*, tom. i p. 144.

<sup>25</sup> Herod. i. 180.

were built similarly; but no ancient author tells us that this was so. The fact that the walls which exist, though of considerable height, show no traces of windows, would seem to imply that the lighting, as in Assyria,<sup>26</sup> was from the top of the apartment, either from the ceiling, or from apertures in the part of the walls adjoining the ceiling. Altogether, such evidence as exists favours the notion that the Babylonian palace, in its character and general arrangements, resembled the Assyrian, with only the two differences, that the Babylonian was wholly constructed of burnt brick, while in the Assyrian the sun-dried material was employed to a large extent; and, further, that in Babylonia the decoration of the walls was made, not by slabs of alabaster, which did not exist in the country, but mainly—almost entirely—by coloured representations upon the brickwork.<sup>27</sup>

Among the adjuncts of the principal palace at Babylon was the remarkable construction known to the Greeks and Romans as “the Hanging Garden.” The accounts which Diodorus, Strabo, and Q. Curtius give of this structure<sup>1</sup> are not perhaps altogether trustworthy; still, it is probable that they are in the main at least founded on fact.<sup>2</sup> We may safely believe that a lofty structure was raised at Babylon on several tiers of arches,<sup>3</sup> which supported at the top a mass of earth, wherein grew, not merely flowers and shrubs, but trees of a considerable size. The Assyrians had been in the habit of erecting structures of a somewhat similar kind, artificial elevations to support a growth of trees and shrubs; but they were content to place their garden at the summit of a single row of pillars or arches,<sup>4</sup> and thus to give it a very moderate height. At Babylon, the object was

<sup>26</sup> See above, vol. i. pp. 304–307.

<sup>27</sup> The frieze above given (p. 552) is the only fragment of stone ornament that has been found.

<sup>1</sup> Diod. Sic. ii. 10, §§ 2–6; Strab. xvi. 1, § 5; Q. Curt. v. 1.

<sup>2</sup> Strabo and Curtius both clearly describe the “Hanging Garden” (τὸν κρεμαστὸν κήπον) as still existing in their time. Curtius expressly declares, —“Hæc moles inviolata durat.”

<sup>3</sup> Ker Porter imagines the Baby-

lonians to have been unacquainted with the arch, and therefore supposes, instead of arches, piers roofed in with long blocks of stone (*Travels*, vol. ii. p. 363). But Sir H. Rawlinson found the internal chamber in the Birs covered in with a vaulted roof (*Journal of As. Society*, vol. xviii. p. 11); and arches have been found even in the early Chaldean buildings. (See above, vol. i. p. 82.)

<sup>4</sup> Supra, vol. i. pp. 310, 585.



to produce an artificial imitation of a mountain.<sup>5</sup> For this purpose several tiers of arches were necessary; and these appear to have been constructed in the manner of a Roman amphitheatre, one directly over another, so that the outer wall formed from summit to base a single perpendicular line.<sup>6</sup> Of the height of the structure various accounts are given,<sup>7</sup> while no writer reports the number of the tiers of arches. Hence there are no sufficient data for a reconstruction of the edifice.<sup>8</sup>

Of the walls and bridge of Babylon, and of the ordinary houses of the people, little more is known than has been already reported in the general description of the capital.<sup>9</sup> It does not appear that they possessed any very great architectural merit. Some skill was shown in constructing the piers of the bridge, which presented an angle to the current and then a curved line, along which the water slid gently.<sup>10</sup> The loftiness of the houses, which were of three or four stories,<sup>11</sup> is certainly surprising, since Oriental houses have very rarely more than two stories. Their construction, however, seems to have been rude; and the pillars especially—posts of palm, surrounded with wisps of rushes, and then plastered and painted<sup>12</sup>—indicate a low condition of taste and a poor and coarse style of domestic architecture.

The material used by the Babylonians in their constructions seems to have been almost entirely brick. Like the early Chaldæans,<sup>13</sup> they employed bricks of two kinds, both the ruder

<sup>5</sup> Berosus, Fr. 14; Diod. Sic. i. s. c.; Q. Curt. i. s. c.

<sup>6</sup> This is, I think, the meaning of Diodorus, when he says that the appearance was that of a theatre. ('Ἔστι δ' ὁ παράδεισος . . . τὰς οἰκοδομίας ἄλλας ἐξ ἄλλων ἔχων, ὥστε τὴν πρόσψιν εἶναι θεατροειδῆ.)

<sup>7</sup> Curtius and Diodorus both make the height that of the walls of Babylon, which the former, however, estimates at 150 and the latter at 300 feet. Curtius places the garden on the palace mound ("super arce"), which would imply for

the actual structure of the garden a height of not much more than 90 or 100 feet.

<sup>8</sup> M. Oppert attempts a reconstruction of the ground-plan (*Expédition*, maps and plans). He makes the stages nine in number, and each of smaller size than the one below it.

<sup>9</sup> Supra, pp. 514 and 518-520.

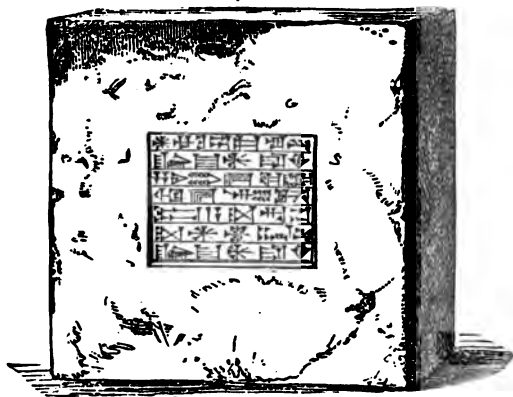
<sup>10</sup> Diod. Sic. ii. 8, § 2.

<sup>11</sup> Herod. i. 180.

<sup>12</sup> Strab. xvi. 1, § 5. See above, p. 514.

<sup>13</sup> Supra, vol. i. p. 71.

sun-dried sort, and the very superior kiln-baked article. The former, however, was only applied to platforms, and to the interior of palace mounds and of very thick walls, and was never made by the later people the sole material of a building.<sup>14</sup> In every case there was at least a *revêtement* of kiln-dried brick, while the grander buildings were wholly constructed of it.<sup>15</sup> The baked bricks used were of several different qualities, and (within rather narrow limits) of different sizes. The finest quality of brick was yellow, approaching to our Stourbridge or fire-brick;<sup>16</sup> another very hard kind was blue, approaching to black;<sup>17</sup> the commoner and coarser sorts were pink or red, and



Babylonian Brick.

these were sometimes, though rarely, but half-baked, in which case they were weak and friable.<sup>18</sup> The shape was always square; and the dimensions varied between twelve and fourteen inches for the length and breadth, and between three and four inches for the thickness.<sup>19</sup> At the corners of buildings, half-bricks were used in the alternate rows, since otherwise the joinings must have been all one exactly over another. The

<sup>14</sup> As it was by the early Chaldeans. (See vol. i. pp. 74, 75.)

<sup>15</sup> The walls of the Kasr, which are eight feet thick (Rich, *First Memoir*, p. 27), are composed of burnt brick throughout their whole breadth.

<sup>16</sup> Rich, p. 61.

<sup>17</sup> Ibid. p. 62. Compare *As. Soc. Journal*, vol. xviii. p. 6, note <sup>3</sup>.

<sup>18</sup> *As. Soc. Journal*, vol. xviii. p. 9.

<sup>19</sup> Compare Rich, *First Memoir*, p. 61; Sir H. Rawlinson, in the *Journal of the Asiatic Society*, vol. xviii. p. 8; and M. Oppert, *Expédition*, tom. i. p. 143.

bricks were always made with a mould, and were commonly stamped on one face with an inscription.<sup>20</sup> They were, of course, ordinarily laid horizontally. Sometimes, however, there was a departure from this practice. Rows of bricks were placed vertically, separated from one another by single horizontal layers.<sup>21</sup> This arrangement seems to have been regarded as conducing to strength, since it occurs only where there is an evident intention of supporting a weak construction by the use of special architectural expedients.

The Babylonian builders made use of three different kinds of cement.<sup>22</sup> The most indifferent was crude clay, or mud, which was mixed with chopped straw, to give it greater tenacity, and was applied in layers of extraordinary thickness.<sup>23</sup> This was (it is probable) employed only where it was requisite that the face of the building should have a certain colour. A cement superior to clay, but not of any very high value, unless as a preventive against damp, was bitumen, which was very generally used in basements and in other structures exposed to the action of water. Mortar, however, or lime cement was far more commonly employed than either of the others, and was of very excellent quality, equal indeed to the best Roman material.<sup>24</sup>

There can be no doubt that the general effect of the more ambitious efforts of the Babylonian architects was grand and imposing. Even now, in their desolation and ruin, their great size renders them impressive; and there are times and states of atmosphere under which they fill the beholder with a sort of admiring awe,<sup>25</sup> akin to the feeling which is called forth by the

<sup>20</sup> The stamp on Babylonian bricks is always sunk below the surface. It is of a square or rectangular form, and occurs commonly towards the middle of one of the two larger faces. The letters are indented upon the clay, and must consequently have stood out in relief upon the wooden or metal stamp which impressed them. M. Oppert observes that the use of such a stamp was the first beginning of printing ("un commencement d'imprimerie," *Expédition*, p. 142). The stamped face of the brick was always placed downwards.

<sup>21</sup> This arrangement was found by

Sir Henry Rawlinson in one of the stages of the Birs-i-Nimrud (*Journal of As. Society*, vol. xviii. p. 10).

<sup>22</sup> Rich, *First Memoir*, p. 62.

<sup>23</sup> At the Birs, the red clay cement used in the third stage has a depth of two inches. (*As. Soc. Journ.* p. 9.)

<sup>24</sup> On the excellence of the Babylonian mortar, see Rich, p. 25; Layard, *Nineveh and Babylon*, p. 505.

<sup>25</sup> See Rich, *First Memoir*, pp. 35, 36. Compare M. Oppert (*Expédition*, tom. i. p. 200), who says: "Le Birs-Nimroud apparaît bientôt après la sortie de Hillah comme une montagne que l'on croit pou-

contemplation of the great works of nature. Rude and inartificial in their idea and general construction, without architectural embellishment, without variety, without any beauty of form, they yet affect men by their mere mass, producing a direct impression of sublimity, and at the same time arousing a sentiment of wonder at the indomitable perseverance which from materials so unpromising could produce such gigantic results. In their original condition, when they were adorned with colour, with a lavish display of the precious metals, with pictured representations of human life, and perhaps with statuary of a rough kind, they must have added to the impression produced by size a sense of richness and barbaric magnificence. The African spirit, which loves gaudy hues and costly ornament, was still strong among the Babylonians, even after they had been Semitised; and by the side of Assyria, her colder and more correct northern sister, Babylonia showed herself a true child of the south — rich, glowing, careless of the laws of taste, bent on provoking admiration by the dazzling brilliancy of her appearance.

It is difficult to form a decided opinion as to the character of Babylonian mimetic art. The specimens discovered are so few, so fragmentary, and in some instances so worn by time and exposure, that we have scarcely the means of doing justice to the people in respect of this portion of their civilisation. Setting aside the intaglios on seals and gems, which have such a general character of quaintness and grotesqueness, or at any rate of formality, that we can scarcely look upon many of them as the serious efforts of artists doing their best, we possess not half a dozen specimens of the mimetic art of the people in question. We have one sculpture *in the round*, one or two modelled clay figures, a few bas-reliefs, one figure of a king engraved on stone, and a few animal forms represented on the

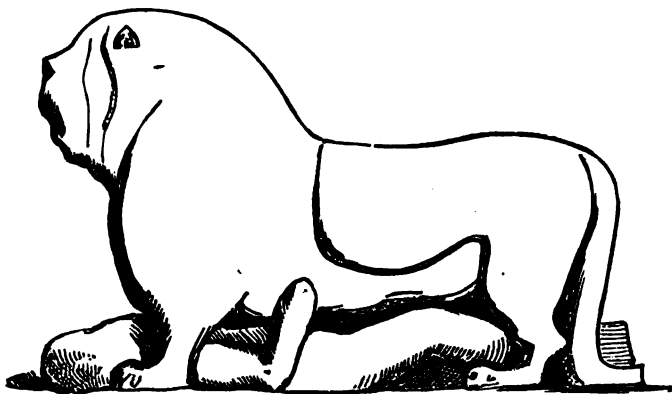
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voir atteindre immédiatement et qui recule toujours. Mais l'effet est bien plus saisissant quand l'atmosphère, et c'est le cas à la pointe de jour et vers le soir, est obscurcie par le brouillard. Alors on ne voit rien pendant une heure

et demie; tout-à-coup le brouillard semble se déchirer comme un rideau, et fait entrevoir la masse colossale du Birs-Nimroud, d'autant plus intéressante que son aspect nous frappe de plus près et d'une manière complètement inattendu."

same material. Nothing more has reached us but fragments of pictorial representations too small for criticism to pronounce upon, and descriptions of ancient writers too incomplete to be of any great value.

The single Babylonian sculpture *in the round* which has come down to our times is the colossal lion standing over the prostrate figure of a man, which is still to be seen on the Kasr mound, as has been already mentioned.<sup>1</sup> The accounts of travellers uniformly state that it is a work of no merit<sup>2</sup>—either barbarously executed, or left unfinished by the sculptor<sup>3</sup>—and probably much worn by exposure to the weather. A sketch



Lion standing over a Prostrate Man (Babylon).

made by a recent visitor<sup>4</sup> and kindly communicated to the author, seems to show that, while the general form of the animal was tolerably well hit off, the proportions were in some respects misconceived, and the details not only rudely but

<sup>1</sup> See above, p. 525.

<sup>2</sup> Ker Porter calls the figure one "of very rude workmanship" (*Travels*, vol. ii. p. 406). Mr. Layard says it is "either so barbarously executed as to show very little progress in art," or else "left unfinished by the sculptor." (*Nineveh and Babylon*, p. 507.) Mr. Loftus speaks of it as "roughly cut." (*Chalûza and Susana*, p. 19.) M. Op-

pert calls it "très-peu digne de Babylone," and speaks of its "valeur minime comme œuvre d'art." (*Expédition*, tom. i. p. 148.)

<sup>3</sup> So, besides Mr. Layard (l. s. c.), M. Thomas, who accompanied M. Fresnel (*Journal asiatique*, Juin, 1853, p. 525), and M. Oppert.

<sup>4</sup> Mr. Claude Clerk, now governor of the Military Prison, Southwark.

incorrectly rendered. The extreme shortness of the legs and the extreme thickness of the tail, are the most prominent errors; there is also great awkwardness in the whole representation of the beast's shoulder. The head is so mutilated that it is impossible to do more than conjecture its contour. Still the whole figure is not without a certain air of grandeur and majesty.

The human appears to be inferior to the animal form. The prostrate man is altogether shapeless, and can never, it would seem, have been very much better than it is at the present time.

Modelled figures in clay are of rare occurrence. The best is one figured by Ker Porter,<sup>5</sup> which represents a mother with a child in her arms. The mother is seated in a natural and not ungraceful attitude on a rough square pedestal. She is naked except for a hood, or mantilla, which covers the head, shoulders, and back, and a narrow apron which hangs down in front. She wears earrings and a bracelet. The child, which sleeps on her left shoulder, wears a shirt open in front, and a short but full tunic, which is gathered into plaits. Both figures are in simple and natural taste, but the limbs of the infant are somewhat too thin and delicate. The statuette is about three inches and a half high, and shows signs of having been covered with a tinted glaze.



Mother and Child (found at Babylon).

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<sup>5</sup> *Travels*, vol. ii. Pl. 80, fig. 3.

The single figure of a king which we possess<sup>6</sup> is clumsy and



Figure of a Babylonian King, probably Merodach-iddin-akhi.

ungraceful. It is chiefly remarkable for the elaborate ornamentation of the head-dress and the robes, which have a finish equal to that of the best Assyrian specimens. The general proportions are not bad; but the form is stiff, and the drawing of the right hand is peculiarly faulty, since it would be scarcely possible to hold arrows in the manner represented.<sup>7</sup>

The engraved animal forms have a certain amount of merit. The figure of a dog sitting, which is common on the "black stones,"<sup>8</sup> is drawn with spirit; and a bird, sometimes regarded as a cock, but more resembling a bustard, is touched with a delicate hand, and may be pronounced superior to any Assyrian representation of the feathered tribe. The

<sup>6</sup> This figure is engraved on a large black stone brought from Babylon, and now in the British Museum. It probably represents the king Merodach-iddin-akhi, who warred with Tiglath-Pileser I. about B.C. 1120. (See above, pp. 77, 78.)

<sup>7</sup> The artist has somewhat improved the drawing of this hand in the woodcut. In the original more is seen of the

fingers; and the thumb does not touch the arrows.

<sup>8</sup> The dog probably represents a constellation or a star—perhaps the Dog-star. The type is a fixed one, and occurs on seals and gems no less than on the "black stones." (See Ker Porter, vol. ii. Pl. 80, fig. 2; Lajard, *Culte de Mithra*, Pl. xlv. figs. 23 and 24; Pl. liv. B. fig. 15.)

hound on a bas-relief, given in the first volume of this work,<sup>9</sup> is also good; and the cylinders exhibit figures of goats, cows, deer, and even monkeys,<sup>10</sup> which are truthful and meritorious. (See next page.)

It has been observed that the main characteristic of the engravings on gems and cylinders, considered as works of mimetic art, is their quaintness and grotesqueness. A few specimens, taken almost at random from the admirable collection of M. Felix Lajard, will sufficiently illustrate this feature. In one<sup>11</sup> the central position is occupied by a human figure whose left arm has two elbow-joints, while towards the right two sitting figures threaten one another with their fists, in the upper quarter, and in the lower



Figure of a Dog (from a black stone of the time of Merodach-iddin-akhi, found at Babylon).

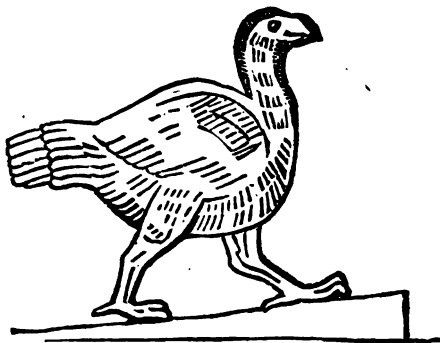


Figure of a Bird (from the same stone).

<sup>9</sup> See vol. i. p. 235, No. II. The date of this tablet is uncertain; but Sir H. Rawlinson is on the whole inclined to regard it as Babylonian rather than Proto-Chaldean.

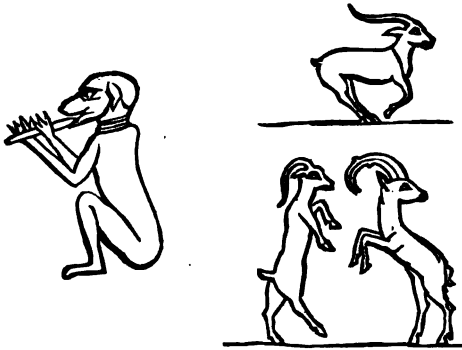
<sup>10</sup> For the goats and cows, see above, p. 495. The exquisite figure of a deer Vol. II.

represented, p. 562, and the quaint drawing of a monkey playing the pipe, are given by M. Lajard (*Culte de Mithra*, Pl. liv. B, No. 8, and Pl. xxix. No. 7) from cylinders in the collections of the Duc de Luynes and the Bibliothèque Royale.

<sup>11</sup> Lajard, Pl. xxxiii. No. 5.



two nondescript animals do the same with their jaws. The entire drawing of this design seems to be intentionally rude. The faces of the main figures are evidently intended to be



Animal Forms (from the cylinders).



Grotesque Figures of Men and Animals  
(from a cylinder).

ridiculous; and the heads of the two animals are extravagantly grotesque. On another cylinder<sup>12</sup> three nondescript animals play the principal part. One of them is on the point of taking into his mouth the head of a man who vainly tries to escape by flight. Another, with the head of a pike, tries to devour the third, which has the head of a bird and the body of a goat. This kind of intention seems to be disputed by a naked man with a long beard, who seizes the fish-headed monster with his right hand, and at the same time administers from behind a severe kick with his right foot. The heads of the three main monsters, the tail

and trousers of the principal one, and the whole of the small figure in front of the flying man, are exceedingly quaint, and remind one of the pencil of Fuseli. The third of the designs<sup>13</sup>

<sup>12</sup> Lajard, Pl. xlii. No. 5.

<sup>13</sup> Lajard, Pl. xxix. No. 1.

approaches nearly to the modern caricature. It is a drawing in two portions. The upper line of figures<sup>14</sup> represents a procession of worshippers who bear in solemn state their offerings to a god. In the lower line this occupation is turned to a jest. Nondescript animals bring with a serio-comic air offerings which consist chiefly of game, while a man in a mask seeks to steal away the sacred tree from the temple wherein the scene is enacted.



Men and Monsters (from a cylinder).



Serio-comic Drawing (from a cylinder).

It is probable that the most elaborate and most artistic of the Babylonian works of art were of a kind which has almost wholly perished. What bas-relief was to the Assyrian, what painting is to moderns, that enamelling upon brick appears to have been to the people of Babylon. The mimetic power, which delights in representing to itself the forms and actions of men, found a vent in this curious byway of the graphic art; and "the images of the Chaldæans, portrayed upon the wall, with vermillion,"<sup>1</sup> and other hues, formed the favourite adornment of palaces and public buildings, at once employing the artist, gratifying the taste of the native connoisseur, and attracting the admiration of the foreigner.<sup>2</sup>

The artistic merit of these works can only be conjectured.

<sup>14</sup> The upper line has been omitted, as containing nothing quaint or grotesque.

<sup>1</sup> Ezek. xxiii. 14.

<sup>2</sup> Ibid. ver. 16. "As soon as she saw them with her eyes she doted upon them."

The admiration of the Jews, or even that of Diodorus,<sup>3</sup> who must be viewed here as the echo of Ctesias, is no sure test; for the Jews were a people very devoid of true artistic appreciation; and Ctesias was bent on exaggerating the wonders of foreign countries to the Greeks. The fact of the excellence of Assyrian art at a somewhat earlier date lends however support to the view that the wall-painting of the Babylonians had some real artistic excellence. We can scarcely suppose that there was any very material difference, in respect of taste and æsthetic power, between the two cognate nations, or that the Babylonians under Nebuchadnezzar fell very greatly short of the Assyrians under Asshur-bani-pal. It is evident that the same subjects—war scenes and hunting scenes<sup>4</sup>—approved themselves to both people; and it is likely that their treatment was not very different. Even in the matter of colour, the contrast was not sharp nor strong; for the Assyrians partially coloured their bas-reliefs.<sup>5</sup>

The tints chiefly employed by the Babylonians in their coloured representations were white, blue, yellow, brown, and black.<sup>6</sup> The blue was of different shades, sometimes bright and deep, sometimes exceedingly pale. The yellow was somewhat dull, resembling our yellow ochre. The brown was this same hue darkened. In comparatively rare instances the Babylonians made use of a red, which they probably obtained with some difficulty. Objects were coloured, as nearly as possible, according to their natural tints—water a light blue, ground yellow, the shafts of spears black, lions a tawny brown, &c.<sup>7</sup> No attempt was made to shade the figures or the landscape, much less to produce any general effect by means of *chiaroscuro*; but the artist trusted for his effect to a careful delineation of forms, and a judicious arrangement of simple hues.

Considerable metallurgic knowledge and skill were shown in the composition of the pigments, and the preparation and appli-

<sup>3</sup> Diod. Sic. ii. 8, § 6. Ζῶα παντοδαπὰ φιλοτέχνως τοῖς τε χρώμασι καὶ τοῖς τῶν τύπων ἀπομιμήμασι κατεσκευασμένα.

<sup>4</sup> Παρατάξεις καὶ κυνήγια. Diod. Sic. ii. 8, § 7.

<sup>5</sup> See above, vol. i. pp. 362, 363.

<sup>6</sup> Layard, *Nineveh and Babylon*, p. 507; Oppert, *Expédition*, tom. i. p. 143.

<sup>7</sup> Oppert, p. 144.

cation of the glaze wherewith they are covered. The red used was a sub-oxide of copper;<sup>8</sup> the yellow was sometimes oxide of iron,<sup>9</sup> sometimes antimoniate of lead — the Naples yellow of modern artists;<sup>10</sup> the blue was either cobalt or oxide of copper;<sup>11</sup> the white was oxide of tin.<sup>12</sup> Oxide of lead was added in some cases, not as a colouring matter, but as a flux, to facilitate the fusion of the glaze.<sup>13</sup> In other cases the pigment used was covered with a vitreous coat of an alkaline silicate of alumina.<sup>14</sup>

The pigments were not applied to an entirely flat surface. Prior to the reception of the colouring matter and the glaze, each brick was modelled by the hand, the figures being carefully traced out, and a slight elevation given to the more important objects.<sup>15</sup> A very low bas-relief was thus produced, to which the colours were subsequently applied, and the brick was then baked in the furnace.

It is conjectured that the bricks were not modelled singly and separately. A large mass of clay was (it is thought) taken,<sup>16</sup> sufficient to contain a whole subject, or at any rate a considerable portion of a subject. On this the modeller made out his design in low relief. The mass of clay was then cut up into bricks, and each brick was taken and painted separately with the proper colours,<sup>17</sup> after which they were all placed in the furnace and baked.<sup>18</sup> When baked, they were restored to their original places in the design, a thin layer of the finest mortar serving to keep them in place.

<sup>8</sup> Layard, p. 166, note.

<sup>9</sup> Birch, *Ancient Pottery*, vol. i. p. 148.

<sup>10</sup> Layard, l. s. c.

<sup>11</sup> The French chemists, who analysed bricks from the Birs towards the close of the last century, found the colouring matter of the blue tint to be cobalt. (Birch, l. s. c.) In the Babylonian bricks analysed by Sir H. de la Beche and Dr. Percy the blue glaze was oxide of copper.

<sup>12</sup> Layard, l. s. c.

<sup>13</sup> Birch, p. 149.      <sup>14</sup> Id. p. 148.

<sup>15</sup> This statement is made on the authority of M. Oppert. (*Expédition*, tom. i. pp. 144, 145.) No other traveller has remarked an inequality of surface on the enamelled bricks.

<sup>16</sup> M. Thomas, who accompanied M. Oppert as artist, is the author of this theory as to the mode in which these works of art were designed and executed.

<sup>17</sup> The separate painting and enamelling of the bricks is proved by the fact that the colouring matter and the glaze have often run over from the side painted to all the adjoining surfaces. (Oppert, tom. i. p. 145.)

<sup>18</sup> Mr. Birch believes that they were partially baked before the colour was applied (*Ancient Pottery*, vol. i. p. 128), and returned to the kiln afterwards.

From the mimetic art of the Babylonians, and the branches of knowledge connected with it, we may now pass to the purely mechanical arts, — as the art by which hard stones were cut, and those of agriculture, metallurgy, pottery, weaving, carpet-making, embroidery, and the like.

The stones shaped, bored, and engraved by Babylonian artisans were not merely the softer and more easily worked kinds, as alabaster, serpentine, and lapis-lazuli, but also the harder sorts, — cornelian, agate, quartz, jasper, sienite, loadstone, and green felspar or amazon-stone.<sup>19</sup> These can certainly not have been cut without emery, and scarcely without such devices as rapidly revolving points, or discs, of the kind used by modern lapidaries. Though the devices are in general rude, the work is sometimes exceedingly delicate, and implies a complete mastery over tools and materials, as well as a good deal of artistic power. As far as the mechanical part of the art goes, the Babylonians may challenge comparison with the most advanced of the nations of antiquity: they decidedly excel the Egyptians,<sup>20</sup> and fall little, if at all, short of the Greeks and Romans.

The extreme minuteness of the work in some of the Babylonian seals and gems raises a suspicion that they must have been engraved by the help of a powerful magnifying-glass. A lens has been found in Assyria;<sup>21</sup> and there is much reason to believe that the convenience was at least as well known in the lower country.<sup>22</sup> Glass was certainly in use,<sup>23</sup> and was cut into such shapes as were required. It is at any rate exceedingly likely that magnifying-glasses, which were undoubtedly known to the Greeks in the time of Aristophanes,<sup>24</sup> were employed by the artisans of Babylon during the most flourishing period of the Empire.

Of Babylonian metal-work we have scarcely any direct means of judging. The accounts of ancient authors imply that the

<sup>19</sup> It is difficult in most instances to decide from the cylinders themselves whether they are Babylonian or Assyrian. We must be chiefly guided by the locality where they were found. It is believed that cylinders have been found in Babylonia of all these materials.

<sup>20</sup> See King's *Ant. Gems*, p. 127, note.

<sup>21</sup> *Supra.*, vol. i. p. 390.

<sup>22</sup> We shall find below that, on astronomical grounds, the possession of lenses by the Babylonians is to be suspected.

<sup>23</sup> The Babylonian mounds are covered with fragments of glass. (Layard, *Nin. and Bab.* p. 507.)

<sup>24</sup> Aristoph. *Nub.* 746-748, ed.

Babylonians dealt freely with the material, using gold and silver for statues, furniture, and utensils, bronze for gates and images, and iron sometimes for the latter.<sup>1</sup> We may assume that they likewise employed bronze and iron for tools and weapons, since those metals were certainly so used by the Assyrians. Lead was made of service in building;<sup>2</sup> where iron was also employed, if great strength was needed.<sup>3</sup> The golden images are said to have been sometimes solid,<sup>4</sup> in which case we must suppose them to have been cast in a mould; but undoubtedly in most cases the gold was a mere external covering, and was applied in plates, which were hammered into shape<sup>5</sup> upon some cheaper substance below. Silver was no doubt used also in plates, more especially when applied externally to walls,<sup>6</sup> or internally to the wood-work of palaces;<sup>7</sup> but the silver images, ornamental figures, and utensils of which we hear, were most probably solid. The bronze works must have been remarkable. We are told that both the town and the palace gates were of this material,<sup>8</sup> and it is implied that the latter were too heavy to be opened in the ordinary manner.<sup>9</sup> Castings on an enormous scale would be requisite for such purposes; and the Babylonians must thus have possessed the art of running into a single mould vast masses of metal. Probably the gates here mentioned were solid:<sup>10</sup> but occasionally, it would seem, the Babylonians had gates of a different kind, composed of a number of perpendicular bars, united by horizontal ones above and below, as in the accompanying woodcut.<sup>11</sup> They had also, it would appear, metal gateways of a similar character.



Gate and Gateway  
(from a cylinder).

<sup>1</sup> See Daniel, iii. 1; v. 4; Herod. i. 181-183; Diod. Sic. ii. 8, § 7; 9, § 5.

<sup>2</sup> Herod. i. 186; Diod. Sic. ii. 10, § 5.

<sup>3</sup> As in the piers of the great bridge. (Herod. i. s. c.)

<sup>4</sup> Herod. i. 183.

<sup>5</sup> Σφυρήλατα. Diod. Sic. ii. 9, § 5.

<sup>6</sup> Supra, p. 548.

<sup>7</sup> Nebuchadnezzar states frequently that the walls of his buildings are "clothed with silver."

<sup>8</sup> Herod. i. 179; Diod. Sic. ii. 8, § 7.

<sup>9</sup> They are said to have been opened by a machine. (Diod. Sic. i. s. c.)

<sup>10</sup> Like those made by Herod the Great for the Temple (Joseph. Bell. Jud. v. 5, § 3), which required 20 men to close them (ibid. vi. 5, § 3). We have no certain representations of Babylonian town-gates; but those drawn by the Assyrians are always solid.

<sup>11</sup> This gate and gateway are represented upon a cylinder figured by Lafard. (*Culte de Mithra*, Pl. xli; fig. 5.)

The metal-work of personal ornaments, such as bracelets and armlets, and again that of dagger handles, seems to have resembled the work of the Assyrians.<sup>12</sup>

Small figures in bronze were occasionally cast by the Baby-



Bronze Ornament (found at Babylon).

lonians, which were sometimes probably used as amulets, while perhaps more generally they were mere ornaments of houses, furniture, and the like. Among these may be noticed figures of dogs in a sitting posture,<sup>13</sup> much resembling the dog represented among the constellations,<sup>14</sup> figures of men, grotesque in character, and figures of monsters. An interesting specimen, which combines a man and a monster, was found by Sir R. Ker Porter at Babylon.<sup>15</sup>

The pottery of the Babylonians was of excellent quality, and is scarcely to be distinguished from the Assyrian, which it resembles alike in form and in material.<sup>16</sup> The bricks of the best period were on the whole better than any used in the sister country, and may compare for hardness and fineness with the best Ro-

man. The earthenware is of a fine terra-cotta, generally of a light red colour, and slightly baked, but occasionally of a yellow hue, with a tinge of green. It consists of cups, jars, vases, and other vessels. They appear to have been made upon the wheel,<sup>17</sup> and are in general unornamented. From

<sup>12</sup> See the figure of a king (*supra*, p. 560). The bracelets have the almost invariable rosette of the Assyrians (*supra*, vol. i. p. 490). The dagger handles are like those figured vol. i. p. 460, first woodcut.

<sup>13</sup> Ker Porter, *Travels*, vol. i. p. 425.

<sup>14</sup> See above, p. 561; and *infra*, p. 574.

<sup>15</sup> See the *Travels*, vol. ii. Pl. 80, fig. 4.

<sup>16</sup> Birch, *Ancient Pottery*, vol. i. p. 144. Compare the specimens of Assyrian pottery represented in the first volume of the present work (pp. 86-389).

<sup>17</sup> Birch, l. s. c.

representations upon the cylinders,<sup>18</sup> it appears that the shapes were often elegant. Long and narrow vases with thin necks seem to have been used for water vessels; these had rounded or pointed bases, and required therefore the support of a stand. Thin jugs were also in use, with slight elegant handles. It is conjectured that sometimes modelled figures may have been introduced at the sides as handles to the vases;<sup>19</sup> but neither the cylinders nor the extant remains confirm this supposition. The only ornamentation hitherto observed consists in a double band which seems to have been carried round some of the vases in an incomplete spiral.<sup>20</sup> The vases sometimes have two handles; but they are plain and small, adding nothing to the beauty of the vessels. Occasionally the whole vessel is glazed with a rich blue colour.



Vases and Jug (from the cylinders).



Vases in a Stand (from a cylinder).



Vase with Handles (found in Babylonia).

The Babylonians certainly employed glass for vessels of a small size.<sup>21</sup> They appear not to have been very skilful blowers, since their bottles are not unfrequently misshapen. They generally stained their glass with some colouring matter, and occasionally ornamented it with a ribbing. Whether they were able to form masses of glass of any considerable size, whether they used it, like the Egyptians,<sup>22</sup> for beads and

<sup>18</sup> See Lajard, Pls. xxxiii. fig. 1; xxxv. fig. 3; and liv. A, fig. 9.

<sup>19</sup> Birch, *Ancient Pottery*, vol. i. p. 148.

<sup>20</sup> See above, woodcut No. 2, where both vases are thus ornamented.

<sup>21</sup> Several small glass bottles were found by Mr. Layard in the mound of

Babil. (*Nineveh and Babylon*, p. 503.) Broken glass is abundant in the rubbish of the mounds generally. (Rich, *First Memoir*, p. 29; Ker Porter, *Travels*, vol. ii. p. 392.)

<sup>22</sup> Wilkinson, *Ancient Egyptians*, vol. iii. p. 101.



bugles, or for mosaics, is uncertain. If we suppose a foundation in fact for Pliny's story of the great emerald (?) presented by a king of Babylon to an Egyptian Pharaoh,<sup>23</sup> we must con-



Babylonian Glass Bottles.

clude that very considerable masses of glass were produced by the Babylonians, at least occasionally; for the said emerald, which can scarcely have been of any other material, was four cubits (or six feet) long and three cubits (or four and a half feet) broad.

Of all the productions of the Babylonians none obtained such high repute in ancient times as their textile fabrics. Their carpets especially were of great celebrity, and were largely exported to foreign countries.<sup>24</sup> They were dyed of various colours, and represented objects similar to those found on the gems, as griffins and such like monsters.<sup>25</sup> Their position in the ancient world may be compared to that which is now borne by the fabrics of Turkey and Persia, which are deservedly preferred to those of all other countries.

Next to their carpets, the highest character was borne by their muslins. Formed of the finest cotton, and dyed of the most brilliant colours, they seemed to the Oriental the very best possible material for dress. The Persian kings preferred them for their own wear;<sup>26</sup> and they had an early fame in foreign countries at a considerable distance from Babylonia.<sup>27</sup>

<sup>23</sup> Plin. *H. N.* xxxvii. 5.

<sup>24</sup> Athen. *Deipn.* v. p. 197; Arrian, *Exp. Al.* vi. 29.

<sup>25</sup> Athen. l. s. c.

<sup>26</sup> Arrian, l. s. c.

<sup>27</sup> The "goodly Babylonish garment" coveted by Achan in Palestine shortly after the Exodus of the Jews (*Josh.* vii. 21) is indicative of the early celebrity of Babylonian apparel.

It is probable that they were sometimes embroidered with delicate patterns, such as those which may be seen on the garments of the early Babylonian king (figured page 560).

Besides woollen and cotton fabrics, the Babylonians also manufactured a good deal of linen cloth, the principal seat of the manufacture being Borsippa.<sup>28</sup> This material was produced, it is probable, chiefly for home consumption, long linen robes being generally worn by the people.<sup>29</sup>

From the arts of the Babylonians we may now pass to their science—an obscure subject, but one which possesses more than common interest. If the classical writers were correct in their belief that Chaldæa was the birthplace of Astronomy, and that their own astronomical science was derived mainly from this quarter,<sup>1</sup> it must be well worth inquiry what the amount of knowledge was which the Babylonians attained on the subject, and what were the means whereby they made their discoveries.

On the broad flat plains of Chaldæa, where the entire celestial hemisphere is continually visible to every eye,<sup>2</sup> and the clear transparent atmosphere shows night after night the heavens gemmed with countless stars, each shining with a brilliancy unknown in our moist northern climes, the attention of man was naturally turned earlier than elsewhere to these luminous bodies, and attempts were made to grasp, and reduce to scientific form, the array of facts which nature presented to the eye in a confused and tangled mass. It required no very

<sup>28</sup> Strab. xvi. 1, § 7.

<sup>29</sup> Herod. i. 195.

<sup>1</sup> See Plat. *Epinom.* p. 987; Hipparch. ap. Procl. in *Tim.* p. 71, ed. Schneider; Phoenix Coloph. ap. Athen. *Deipn.* xii. p. 530, E; Diod. Sic. ii. 31; Cic. *De Div.* i. 1; Plin. *H. N.* vi. 26; Manil. i. 40-45; &c. The late Sir Cornewall Lewis questioned the truth of this belief, and asserted that "the later Greeks appear to have been wanting in that national spirit which leads modern historians of science to contend for the claims of their own countrymen to inventions and discoveries." But he failed to adduce any sufficient proof of this strange idiosyn-

crasy of the later Greeks, which in his own mind seems to have rested on a conviction that the lively, intelligent Greeks could not have been so indebted as they said they were to "the obtuse, uninventive, and immovable intellect of Orientals." (*Astronomy of the Ancients*, pp. 290, 291.)

<sup>2</sup> Compare Cic. *De Div.* i. s. c. "Principio, Assyrii, ut ab ultimis auctoritatem repetam, propter planitiam magnitudinemque regionum quas incolebant, cum cœlum ab omni parte patens atque apertum intuerentur, trajectiones motusque stellarum observaverunt."

long course of observation to acquaint men with a truth, which at first sight none would have suspected — namely, that the luminous points whereof the sky was full were of two kinds, some always maintaining the same position relatively to one another, while others were constantly changing their places, and as it were wandering about the sky. It is certain that the Babylonians at a very early date<sup>3</sup> distinguished from the fixed stars those remarkable five, which, from their wandering propensities, the Greeks called the “planets,” and which are the only erratic stars that the naked eye, or that even the telescope, except at a very high power, can discern. With these five they were soon led to class the Moon, which was easily observed to be a wandering luminary, changing her place among the fixed stars with remarkable rapidity. Ultimately, it came to be perceived that the Sun too rose and set at different parts of the year in the neighbourhood of different constellations, and that consequently the great luminary was itself also a wanderer, having a path in the sky which it was possible, by means of careful observation, to mark out.

But to do this, to mark out with accuracy the courses of the Sun and Moon among the fixed stars, it was necessary, or at least convenient, to arrange the stars themselves into groups. Thus, too, and thus only, was it possible to give form and order to the chaotic confusion in which the stars seem at first sight to lie, owing to the irregularity of their intervals, the difference in their magnitude, and their apparent countlessness. The most uneducated eye, when raised to the starry heavens on a clear night, fixes here and there upon groups of stars: in the north, Cassiopeia, the Great Bear, the Pleiades — below the Equator, the Southern Cross — must at all times have impressed those who beheld them with a certain sense of unity. Thus the idea of a “constellation” is formed; and this once done, the mind naturally progresses in the same direction, and little by little

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<sup>3</sup> The cosmogony of the Babylonians, as described by Berosus, has the air of a very high antiquity about it. In this document the “five planets” are distinctly mentioned. (Beros. Fr. 1, § 6.)

The planetary character of the five gods, Nin, Merodach, Nergal, Ishtar, and Nebo, belongs even to Proto-Chaldean times. (See above, vol. i. pp. 131-142.)

the whole sky<sup>4</sup> is mapped out into certain portions or districts to which names are given—names taken from some resemblance, real or fancied, between the shapes of the several groups and objects familiar to the early observers. This branch of practical astronomy is termed “uranography” by moderns; its utility is very considerable; thus and thus only can we particularise the individual stars of which we wish to speak;<sup>5</sup> thus and thus only can we retain in our memory<sup>6</sup> the general arrangement of the stars and their positions relatively to each other.

There is reason to believe that in the early Babylonian astronomy the subject of uranography occupied a prominent place. The Chaldæan astronomers not only seized on and named those natural groups which force themselves upon the eye, but artificially arranged the whole heavens into a certain number of constellations or asterisms. The very system of uranography which maintains itself to the present day on our celestial globes and maps, and which is still acknowledged—albeit under protest<sup>7</sup>—in the nomenclature of scientific astronomers, came in all probability from this source, reaching us from the Arabians, who took it from the Greeks, who derived it from the Babylonians. The Zodiacal constellations, at any rate, or those through which the sun’s course lies, would seem to have had this origin; and many of them may be distinctly



Top of conical stone, bearing figures of Constellations.

<sup>4</sup> Excepting certain insignificant portions which intervene between one constellation and another. The stars in these portions are called “unformed stars.”

<sup>5</sup> The letters of the Greek alphabet are assigned to the several stars in each constellation;  $\alpha$  to the largest,  $\beta$  to the next largest, and so on. Thus astronomers speak of “ $\beta$  Virginis,” “ $\gamma$  Piscium,” “ $\delta$  Lyrae,” and thereby indicate to each other distinctly the particular star about which they have something to say. (See Fergusson’s *Astronomy*, p. 232.)

<sup>6</sup> Sir John Herschel observes that a proper system of constellations is valuable “as an artificial memory.” (*Outlines of Astronomy*, p. 181, note.)

<sup>7</sup> Astronomers are said at the present day to “treat lightly or altogether to disregard” the outlines of men and monsters which figure on our celestial globes; and the actual arrangement is said to cause confusion and inconvenience. (Herschel, l. s. c.) But the terminology is still used, and  $\alpha$  Leonis,  $\beta$  Scorpii, &c., remain the sole expressions by which the particular stars can be designated.

recognised on Babylonian monuments which are plainly of a stellar character.<sup>8</sup> The accompanying representation, taken from a conical black stone in the British Museum, and belonging to the twelfth century before our era, is not perhaps, strictly



Babylonian Zodiac (?).

speaking, a zodiac, but it is almost certainly an arrangement of constellations according to the forms assigned them in Babylonian uranography. The Ram, the Bull, the Scorpion,

<sup>8</sup> The stellar character of such monuments as that engraved above is sufficiently indicated by the central group, where the male and female sun and the crescent moon are clearly represented.

the Serpent, the Dog, the Arrow, the Eagle or Vulture may all be detected on the stone in question, as may similar forms variously arranged on other similar monuments.

The Babylonians called the Zodiacal constellations the "Houses of the Sun," and distinguished from them another set of asterisms, which they denominated the "Houses of the Moon." As the Sun and Moon both move through the sky in nearly the same plane, the path of the Moon merely crossing and recrossing that of the Sun, but never diverging from it further than a few degrees, it would seem that these "Houses of the Moon," or lunar asterisms,<sup>9</sup> must have been a division of the Zodiacal stars different from that employed with respect to the sun, either in the number of the "Houses," or in the point of separation between "House" and "House."

The Babylonians observed and calculated eclipses ; but their power of calculation does not seem to have been based on scientific knowledge, nor to have necessarily implied sound views as to the nature of eclipses or as to the size, distance, and real motions of the heavenly bodies. The knowledge which they possessed was empirical. Their habits of observation led them to discover the period of 223 lunations or 18 years 10 days,<sup>10</sup> after which eclipses—especially those of the moon—recur again in the same order. Their acquaintance with this cycle would enable them to predict lunar eclipses with accuracy for many ages, and solar eclipses without much inaccuracy for the next cycle or two.

That the Babylonians carefully noted and recorded eclipses is witnessed by Ptolemy,<sup>1</sup> who had access to a continuous series of such observations reaching back from his own time to B.C. 747. Five of these—all eclipses of the moon—were described by Hipparchus<sup>2</sup> from Babylonian sources, and are found to answer all the requirements of modern science. They belong to the years B.C. 721, 720, 621, and 523. One of them, that of B.C. 721, was total at Babylon. The others were par-

<sup>9</sup> The "Houses of the Moon," or divisions of the lunar Zodiac, are said to have been known also both to the Chinese and the Indians.

<sup>10</sup> Geminus, § 15. The exact period is 18 years, 10 days, 7 hours, and 43 minutes.

<sup>1</sup> *Magn. Syntax.* iii. 6.

<sup>2</sup> *Ib.* iv. 8, 8; v. 14.

tial, the portion of the moon obscured varying from one digit to seven.

There is no reason to think that the observation of eclipses by the Babylonians commenced with Nabonassar.<sup>3</sup> Ptolemy indeed implies that the series extant in his day went no higher;<sup>4</sup> but this is to be accounted for by the fact, which Berosus mentioned,<sup>5</sup> that Nabonassar destroyed, as far as he was able, the previously existing observations, in order that exact chronology might commence with his own reign.

Other astronomical achievements of the Babylonians were the following. They accomplished a catalogue of the fixed stars, of which the Greeks made use in compiling their stellar tables.<sup>6</sup> They observed and recorded their observations upon occultations of the planets by the sun and moon.<sup>7</sup> They invented the *gnomon* and the *polos*,<sup>8</sup> two kinds of sun-dial, by means of which they were able to measure time during the day, and to fix the true length of the solar day, with sufficient accuracy. They determined correctly within a small fraction the length of the synodic revolution of the moon.<sup>9</sup> They knew that the true length of the solar year was 365 days and a quarter, nearly.<sup>10</sup> They noticed comets, which they believed to be permanent bodies, revolving in orbits like those of the planets, only greater.<sup>11</sup> They ascribed eclipses of the sun to the interposition of the moon between the sun and the earth.<sup>12</sup> They

<sup>3</sup> Even if we set aside the testimony of Porphyry, recorded by Simplicius (ad Arist. *De Cælo*, p. 503, A), on account of the exaggerated number of the Greek text (Lewis, *Astronomy of the Ancients*, p. 286), we have still important testimony to the antiquity of the Babylonian observations: 1. in the words of Aristotle, οἱ πάλαι τετηρηκότες ἐκ πλείστων ἐτών . . . . Βαβυλώνιοι (*De Cælo*, ii. 12, § 3; 2. in those of Diodorus quoted at the head of this chapter; 3. in those of the author of the Platonic *Epinomis* (§ 9, p. 987), of Pliny, Cicero, and others. (See above, p. 571, note 1.)

<sup>4</sup> *Mag. Syntax.* iii. 6. Εἰς τὴν ἀρχὴν τοῦ Ναβονασσάρου βασιλείας . . . ἀφ' οὗ χρόνου καὶ τὰς παλαιὰς τηρήσεις ἔχομεν ὡς ἐπίπαν μέχρι δεῦρο διασωζομένης.

<sup>5</sup> Ap. Syncell. *Chronograph.* p. 207, B. Ἀπὸ δὲ Ναβονασσάρου τοὺς χρόνους τῆς τῶν ἀστέρων κινήσεως Χαλδαῖοι ἡκρίβωσαν . . . ἐπειδὴ . . . Ναβονάσσαρος συναγαγὼν τὰς πράξεις τῶν πρὸ αὐτοῦ βασιλέων ἡφάνισεν.

<sup>6</sup> Scholiast. ad Arat. 752.

<sup>7</sup> Aristot. *De Cælo*, ii. 12, § 3.

<sup>8</sup> Herod. ii. 109.

<sup>9</sup> See Vince's *Astronomy*, vol. ii. p. 251.

<sup>10</sup> Ibid. The exact length of the Chaldean year is said to have been 365 days, 6 hours, and 11 minutes, which is an excess of two seconds only over the true (sidereal) year.

<sup>11</sup> Ibid. l. s. c. Vince quotes Diodorus as his authority, but I have not been able to find the passage.

<sup>12</sup> Aristot. *De Cælo*, l. s. c.

had notions not far from the truth with respect to the relative distance from the earth of the sun, moon, and planets. Adopting, as was natural, a geocentric system, they decided that the Moon occupied the position nearest to the earth;<sup>13</sup> that beyond the Moon was Mercury, beyond Mercury Venus, beyond Venus Mars, beyond Mars Jupiter, and beyond Jupiter, in the remotest position of all, Saturn.<sup>14</sup> This arrangement was probably based upon a knowledge, more or less exact, of the periodic times which the several bodies occupy in their (real or apparent) revolutions. From the difference in the times the Babylonians assumed a corresponding difference in the size of the orbits, and consequently a greater or less distance from the common centre.

Thus far the astronomical achievements of the Babylonians rest upon the express testimony of ancient writers—a testimony confirmed in many respects by the monuments already deciphered. It is suspected that, when the astronomical tablets which exist by hundreds in the British Museum come to be thoroughly understood, it will be found that the acquaintance of the Chaldean sages with astronomical phenomena, if not also with astronomical laws, went considerably beyond the point at which we should place it upon the testimony of the Greek and Roman writers.<sup>15</sup> There is said to be distinct evidence that they observed the four satellites of Jupiter, and strong reason to believe that they were acquainted likewise with the seven satellites of Saturn. Moreover, the general laws of the movements of the heavenly bodies seem to have been so far known to them that they could state by anticipation the position of the various planets throughout the year.

In order to attain the astronomical knowledge which they seem to have possessed, the Babylonians must undoubtedly have employed a certain number of instruments. The invention of sun-dials, as already observed,<sup>16</sup> is distinctly assigned to them.

<sup>13</sup> Diod. Sic. ii. 31, § 5.

<sup>14</sup> The arrangement of the great temple at Borsippa, already described, is a sufficient proof of the statement in the text.

<sup>15</sup> The astronomical tablets discovered in Mesopotamia have now for some time

occupied the attention of Sir H. Rawlinson. It is to be hoped that he will give to the world, before many months are past, the results of his studies. They cannot fail to be highly interesting.

<sup>16</sup> Supra, p. 576.



Besides these contrivances for measuring time during the day, it is almost certain that they must have possessed means of measuring time during the night. The clepsydra, or water-clock, which was in common use among the Greeks as early as the fifth century before our era,<sup>17</sup> was probably introduced into Greece from the East, and is likely to have been a Babylonian invention. The astrolabe, an instrument for measuring the altitude of stars above the horizon, which was known to Ptolemy, may also reasonably be assigned to them. It has generally been assumed that they were wholly ignorant of the telescope.<sup>18</sup> But if the satellites of Saturn are really mentioned, as it is thought that they are, upon some of the tablets, it will follow — strange as it may seem to us — that the Babylonians possessed optical instruments of the nature of telescopes, since it is impossible, even in the clear and vapourless sky of Chaldæa, to discern the faint moons of that distant planet without lenses. A lens, it must be remembered, with a fair magnifying power, has been discovered among the Mesopotamian ruins.<sup>19</sup> A people ingenious enough to discover the magnifying-glass would be naturally led on to the invention of its opposite. When once lenses of the two contrary kinds existed, the elements of a telescope were in being. We could not assume from these data that the discovery was made; but if it shall ultimately be substantiated that bodies invisible to the naked eye were observed by the Babylonians, we need feel no difficulty in ascribing to them the possession of some telescopic instrument.

The astronomical zeal of the Babylonians was in general, it must be confessed, no simple and pure love of an abstract science. A school of pure astronomers existed among them;<sup>1</sup> but the bulk of those who engaged in the study undoubtedly pursued it in the belief that the heavenly bodies had a mysterious influence, not only upon the seasons, but upon the lives and actions of men — an influence which it was possible to dis-

<sup>17</sup> See Aristoph. *Acharn.* 653; *Vesp.* 93, 827.

<sup>18</sup> Sir G. C. Lewis went so far as to deny to the Babylonians, in general terms, the use of any instruments what-

soever. (*Astronomy of the Ancients*, pp. 277, 278.)

<sup>19</sup> See above, vol. i. p. 390.

<sup>1</sup> Strab. xvi. 1, § 6.

cover and to foretell by prolonged and careful observation. The ancient writers, Biblical and other,<sup>2</sup> state this fact in the strongest way; and the extant astronomical remains distinctly confirm it. The great majority of the tablets are of an astrological character, recording the supposed influence of the heavenly bodies, singly, in conjunction, or in opposition, upon all sublunary affairs, from the fate of empires to the washing of hands or the paring of nails. The modern prophetic almanack is the legitimate descendant and the sufficient representative of the ancient Chaldee Ephemeris, which was just as silly, just as pretentious, and just as worthless.

The Chaldee astrology was, primarily and mainly, genethialogical.<sup>3</sup> It inquired under what aspect of the heavens persons were born, or conceived,<sup>4</sup> and, from the position of the celestial bodies at one or other of these moments, it professed to deduce the whole life and fortunes of the individual. According to Diodorus,<sup>5</sup> it was believed that a particular star or constellation presided over the birth of each person, and thenceforward exercised over his life a special malign or benignant influence. But his lot depended, not on this star alone, but on the entire aspect of the heavens at a certain moment. To cast the horoscope was to reproduce this aspect, and then to read by means of it the individual's future.

Chaldee astrology was not, however, limited to genethialogy. The Chaldæans professed to predict from the stars such things as the changes of the weather, high winds and storms, great heats, the appearance of comets, eclipses, earthquakes, and the like.<sup>6</sup> They published lists of lucky and unlucky days, and

<sup>2</sup> See Diod. Sic. ii. 30, § 2; 31, § 1; Cl. c. *De Div.* i. 1; ii. 42; Clitarch. ap. Diog. Laert. Proem. § 6; Theophrast. ap. Procl. *Comment. in Plat. Tim.* p. 285, F.; and compare Isaiah xlvii. 13, Dan. ii. 2, &c.

<sup>3</sup> Strab. l. s. c.; Sext. *Empir. Adv. Math.* v. 27; Vitruv. ix. 4; Cic. *De Div.* ii. 42; &c.

<sup>4</sup> Many of the ancient astrologers regarded the moment of conception as the true natal hour, and cast the horoscope

in reference to that point of time. (See Letronne, *Observations sur un Zodiaque égyptien*, p. 84, note <sup>2</sup>.)

<sup>5</sup> Diod. Sic. ii. 31, § 1. Compare Sext. *Emp.* l. s. c.; Censorin. § 8; Hor. *Od.* ii. 17, 17-22; Juv. *Sat.* xiv. 248.

<sup>6</sup> Diod. Sic. ii. 30, § 5. Ποτε μὲν γὰρ πνευμάτων μεγέθιν δηλοῦν αὐτοὺς (i. e. τοὺς ἀστέρας), ποτὲ δὲ ὀμβρῶν ἢ καυμάτων ὑπερβολάς, ἔστι δὲ ὅτε κομητῶν ἀστέρων ἐπιτολάς, ἐπὶ δὲ ἡλίου τε καὶ σελήνης ἐκλείψεις, καὶ σεισμοὶ, καὶ τὸ σύνολον πάσας τὰς ἐκ

tables showing what aspect of the heavens portended good or evil to particular countries.<sup>7</sup> Curiously enough, it appears that they regarded their art as locally limited to the regions inhabited by themselves and their kinsmen, so that while they could boldly predict storm, tempest, failing or abundant crops, war, famine, and the like, for Syria, Babylonia, and Susiana, they could venture on no prophecies with respect to other neighbouring lands, as Persia, Media, Armenia.

A certain amount of real meteorological knowledge was probably mixed up with the Chaldæan astrology. Their calendars, like modern almanacks, boldly predicted the weather for fixed days in the year.<sup>8</sup> They must also have been mathematicians to no inconsiderable extent, since their methods appear to have been geometrical. It is said that the Greek mathematicians often quoted with approval the works of their Chaldæan predecessors, Cidên, Naburianus, and Sudinus.<sup>9</sup> Of the nature and extent of their mathematical acquirements, no account, however, can be given, since the writers who mention them enter into no details on the subject.

τοῦ περιέχοντος γινωσκόμεναι περιστάσεις ὠφελί-  
μου τε καὶ βλαβεράς οὐ μόνον ἔθνεσι καὶ  
τόποις, ἀλλὰ καὶ βασιλεῦσι καὶ τοῖς τυχοῦσιν  
ιδιώταις.

<sup>7</sup> Lists of these two kinds have been

found by Sir H. Rawlinson among the tablets.

<sup>8</sup> Columella, xi. 1, § 3.

<sup>9</sup> Strab. xvi. 1, § 6.

END OF VOL. II.

